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BIBLIOGRAPHY

a reference listing of published information concerning applications of the *Millipore*® filter

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During the past decade, Millipore ® filtration has added significantly to analytical and process techniques in a variety of industrial and biological applications. It is the purpose of this bibliography to list significant references to the use of Millipore filters in these fields of application. Printed abstracts are available upon request from Millipore for those references marked with an asterisk.

BIBLIOGRAPHY

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NOTE: Papers where an asterisk (*) appears are available in abstract form from Millipore Filter Corporation, Bedford, Massachusetts.

Millipore FILTER CORPORATION
BEDFORD, MASSACHUSETTS

I BASIC CHARACTERISTICS OF THE MF®

A. DEVELOPMENT OF THE MF

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub. Health Rep. 66:95 1-77, July

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

19. Anon., 53, Molecular filter membranes. L. R. Burt, 540-1/2 W. Fairview Ave., Arcadia, Calif.

58. Creasy, M.W., '53, Letter to the editor. Am. J. Pub. Health, 43:1175-76

128. Bliss, A.H., Steinmetz, W.H., Witt, R.C., '55, A tool for the sanitarian the molecular filter portable water lab. Sanitarian, 15-20, July-Aug.

*264. McCarthy, J.A., Delaney, J.E., '58, Membrane filter media studies. Water & Sewage Works, 105:7:292-96, July

B. PHYSICAL-CHEMICAL CHARACTERISTICS

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

4. Bush, J.H., '52, A basic new tool in bacteriology. Sci. Mthly. 75:303-05, Nov.

5. Clark, H.F., Jeter, H.L., Geldreich, E.E., Kabler, P.W., '52, Domestic and European molecular filter membranes. J.Am. Water Works Assn. 44:1052-56, Nov.

18. Anon., '53, Millipores, Ind. Bltn. of A. D. Little Co., 295:3, Feb.

29. Goetz, A., '53, Application of molecular filter membranes to the analysis of aerosols. Am. J. Pub. Health 43:150-59, Feb.

67. Honold, Edith; Skau, E., '54, Application of mercury-intrusion method for determination of pore size distribution to membrane filters. Science, 120:805-06, Nov.

168. O'Leary, F.M., Hess, G.E., Kulbaski, F.E., Shanahan, A.J., '56 Determination of membrane filter pore size by electron microscopy and their relationship to colony growth. Am. J. Bacteriol. Proc., A28:31

269. MacLean, D., '58, The MF Millipore filter - its uses and applications. J. of the N. E. Water Works Assn. 72:3:272-88, Sept.

C. PORE SIZE DETERMINATION

4. Bush, J.H., '52, A basic new tool in bacteriology. Sci. Mthly. 75:303-05, Nov.

67. Honold, Edith; Skau, E., '54, Application of mercury-intrusion method for determination of pore size distribution to membrane filters. Science, 120:805-06, Nov.

168. O'Leary, F.M., Hess, G.E., Kulbaski, F.E., Shanahan, A.J., '56, Determination of membrane filter pore size by electron microscopy and their relationship to colony growth. Am. J. Bacteriol. Proc., A28:31

II BIOLOGICAL APPLICATIONS FOR THE MF

A. ANTIBIOTICS

98. Matney, T.S., '55, New uses for membrane filters. 1. The determination of the spontaneous mutation rate of Escherichia coli to strepomycin resistance. J. Bacteriol. 69:101-02, Jan.

*184. Holdowsky, S., '57, A new sterility test for antibioticals; An application of the membrane filter technique. Antibiotics & Chemotherapy, Feb.

216. Hurwitz, C., Rosano, C.L., Blattberg, B., '57, A test of the validity of reactivation of bacteria. J. Bacteriol., 73:6:743-46, June

*268. Bowman, Frances W., Holdowsky, S., '58, Survival of bacteria in dihydrostreptomycin solutions for injection. Antibiotics and Chemotherapy, VIII:8:406-09, Aug.

B. ANTISEPTICS AND DISINFECTANTS — (INC. INHIBITORS)

*54. Portner, D., Mayo, E.C., Kaye, S., '54, The evaluation of disinfectant solutions. II. Use of the membrane filter for evaluating formaldehyde solutions. Bacteriol. Proc., 35, 54th Gen. Mtg., Pitts., Pa.

98. Matney, T.S., '55, New uses for membrane filters. I. The determination of the spontaneous mutation rate of Escherichia coli to streptomycin resistance. J. Bacteriol. 69:101-02, Jan.

193. Stedman, R.L., Kravitz, E., King, J.D., '57, Studies of cell surface-germicide and enzyme-germicide reactions and their contribution to the lethal effect. J. of Bacteriol., 73:5:655-60, May

216. Hurwitz, C., Rosano, C.L., Blattberg, B., '57, A test of the validity of reactivation of bacteria. J. Bacteriol., 73:6:743-46, June

252. Noble, R.E., Reitman, M., '58, Inhibitory effect of ointment tins on coliform growth in the membrane filter procedure. Pure Water, Bureau of Water, Chicago, Ill., X:3:50-55, Mar.

*258. Sieburth, J.M., '58, A technique for assaying non-sterile materials for soluble substances that affect bacterial growth. Animal Path. Section, Virginia Polytechnic Inst., Blacksburg, Virginia (Unpublished)

*334. Thurston, J.R., Hawkins, J.E., Steenken, W. Jr., '60, The effect of filtration on biologic products. I. Influence on the serologic activity of old tuberculin. Amer. Rev. of Respiratory Diseases, 82:1, pp. 77-81, July.

C. BACTERIOLOGY (MICROBIOLOGY)

1. Airborne

20. Anon., '53, MF membrane applied to aerosol analysis. Pub. Health Rep. 68:239-40, Feb.

*24. Collet, Elizabeth, Johnston, R., Ey, L.F., Croft, C.C., '53, Isolation of Salmonella typhosa from well water by the membrane filter technic. J.Am. Pub. Health Assn. 43:1438-40, Nov.

33. Gordon, M.A., Boyd, F.M., '53, Large scale biological air sampling with the venturi scrubber. Bacteriol. Proc., 26

43. Ibach, Martha J., Larsh, H.W., Furcolow, M.L., '54, Isolation of Histoplasma capsulatum from the air. Science, 119:71, Jan.

61. Gordon, M.A., Moody, M.D., Barton, A.M., Boyd, F.M., '54, Industrial air sampling for anthrax bacteria. Arch. Ind. Hyg. & Occ. Med., 10:16-22, July

95. Guyton, H.G., Buchanan, L.M., Lense, F.T., '55, Evaluation of respiratory protection provided by three types of contagion masks. Bacteriol. Proc., 45

106. Goetz, A., '55, Basic problems in the detection of mircobiological air pollution. Am.Ind.Hyg. Qtrly., 16:2: 113-20, June

112. Gordon, M.A., Cupp, N.B., Jr., '53 Detection of Histoplasma capsulatum and other fungus spores in the environment by means of the membrane filter. Mycologia, 45:241-52

138. Mitchell, R.B., Fulton, J.D., Elligson, H.V., '54, A soluble gelatin foam sampler for airborne microorganisms at surface levels. Am. J. Pub. Health, 44:1334-39

211. Kethley, T.W., Cown, W.B., Fincher, E.L., '57, The nature and composition of experimental bacterial aerosols. Appl. Microbiol. 5:1:1-8, Jan.

*289. State Water Pollution Control Board, Sacramento, California, Publication No. 18, '57, Third Report on the Study of Waste Water Reclamation and Utilization: The air-borne bacterial study, Chap. V, pp 75-86

*304. Allen, H.F., '59, Air hygiene for hospitals, arrestment of airborne and dustborne Staphylocci by a hospital vacuum cleaner, J.Amer.Med.Assn., 169:553-559 February.

2. Clinical

51. Braun, W., Kelsh, J., '54, Improved method for cultivation of Brucella from blood. Proc.Soc.Exp.Biol.Med., 85:154-55, Jan.

*133. Wayne, L.G., Juarex, W.J., '55, Isolation of Coccidioides immitis from spinal fluid by molecular filter membrane technique. Am.J.Clin.Path., 25:10: 1209-11, Oct.

*165. Tidwell, W.L., Gee, L.L. '55, Use of membrane filter in blood cultures. Proc.Soc.Exp.Biol. & Med., 88:561-63

*196. Haley, Leanor D., Arch, Rosty, '57, Use of Millipore membrane filter in the diagnostic tuberculosis laboratory. Am.J.Clin.Path., 27:1:117-121, Jan.

*226. Wayne, L.G., Kidd, G.C., '57, Adsorption of chemical constitutents of cerebrospinal fluid by molecular filter membrane. Am.J.Clin.Path., 28:5:6-9 Nov.

*230. Sullivan, Mary L., Lind, H.E., Lisanti, V.F., '57, Adaptation of the membrane filter technique to the recovery of coagulase positive Staphylococcus aureus from human saliva. J.Bacteriol., 74:4:542-43, Oct.

*261. McKinney, Ruth A., '58, The preparation of tuberculosis sputum for membrane filter filtrations. The Am.Rev. of Tuberculosis and Pulmonary Diseases, 77:6:1019-22, June

*273. Ritts, R.E., Jr., Mao, Frances H., Favour C.B., '58, Rapid bacteriologie diagnosis by membrane filters in genito-urinary tract infections. Abstracts of the VIIth International Congress of Microbiol.

*295. Wolochow, H., Wiley, L.J., Ostrom, C.A., and James, H.A., '59, The use of enzymes to aid filtration of oropharyngeal washes through membrane.

3. General

7. Dickman, A., '52, Membrane filters in bacteriological isolation and cultivation. Natl. Assn. Clin. Labs. Bltn., 4:91-92, Apr.

*Printed abstract available from Millipore.

*17. Anon, '53, The role of the molecular filter membrane in the field of public health. Am.J. Pub. Health, 43:766-768, June

22. Bush, J.H., '53, New bacteriol. technique for testing water and sewage. Water & Sewage Works, 100:151-53, Apr.

28. Frobisher, M., '53, Fundamentals of microbiology. W.B. Saunders Co., Phila., Penna., 169-70, 240, 476-77

35. Levine, S., '53, Staling in membrane filter cultures. J. Bacteriol. 66:624-25, Nov.

*37. Orlando, M.D., Bolduan, O.E.A., '53, The application of the membrane filter to a variety of pathogenic bacteria and fungi imperfecti. Bacteriol. Proc., 26, SAB 53rd Gen.Mtg., San Francisco, Aug.

40. Tsuneishi, N., Goetz, A., '53, Growth development and incubation of bacterial cultures on molecular filter membranes. Bacteriol. Proc., 26, Gen. Mtg., San Francisco, Aug.

86. Walter, W.G., '55, The membrane filter method. Gen.Microbiol., 200-201

168. O'Leary, F.M., Hess, G.E., Kulbaski, F.E., Shanahan, A.J., '56, Determination of membrane filter pore size by electron microscopy and their relationship to colony growth. Am. J. Bacteriol. Proc., A28:31

169. Gaspar, A.J., Leise, J.M., '56, Inhibitory effect of grid imprints on growth of Brucella melitensis on membrane filters. Bacteriol. Proc., A29:31

177. Levin, G.V., Harrison, V.R., Hess, W.C., Gurney, H.C., '56, A radioisotope technic for the rapid detection of coliform organisms. Am.J.Pub.Health, 46:1405-14, Nov.

*182. Cole, C.C., Use of the Millipore filter in the isolation of Neisseria gonorrhoeae Lab. Dir. Flint, Michigan, Dept. of Health, Unpublished.

*225. Kenner, B.A., Rockwood, Sue, Kabler, P.W., '57, Isolation of members of the genus Salmonella by membrane filter procedure. Appl. Microbiol. 5:5:305-07, Sept.

*239. Tsuneishi, N., Goetz, A., '58, A method for the rapid cultivation of Desulfovibrio aestuarii on filter membranes. Appl. Microbiol., 6:1:42-44, Jan.

*246. Iyer, V.N., Szybalski, W., '58, Two simple methods for the detection of chemical mutagens, Appl. Microbiol., 6:1:23-29, Jan.

252. Noble, R.E., Reitman, M., '58, Inhibitory effect of ointment tins on coliform growth in the membrane filter procedure. Pure Water, Bureau of Water, Chicago, Ill., X:3:50-55, Mar.

*260. Doscher, T.M., Weber, L., '57, The use of the membrane filter in determining quality of water for subsurface injection. Producers Mthly, 21:6:33, June

*279. Walter, C.W., Rubenstein, A.D., Kundsin, Ruth B., Shilkret, Mary A., '58, Bacteriology of the bedside carafe. N.E.J. of Med., 259:1198-1202, Dec.

*281. Rittenberg, M.B., Linscott, W.D., Ball, M.G., '58, Simple method for separating Leptospirae from contaminating microorganisms. J.Bacteriol., 76:6: 669-70, Dec.

284. Levin, G.V., Harrison, V.R., Hess, W.C., Hein, A.H., Strauss, V.L., '59, Rapid radioactive test for coliform organisms. J.Am. Water Works Assn., 51:1:101-04, Jan.

*295. Wolochow, H., Wiley, L.J., Ostrom, C.A., and James, H.A., '59, The use of enzymes to aid filtration of oropharyngeal washes through membrane.

*305. Panos, C., Barkulis, S.S., Hayashi, J.A., '60, Streptococcal L forms - III. Effects of sonic treatment on viability. J. of Bacteriology, 80:3, pp. 336-343, Sept.

4 Industrial:

a. Brewing

*153. Dunn, C.G., '56, Recent developments in the field of industrial microbiology and their possible impact on brewing technology. Am. Soc. Brewing Chem. Proc.

*158. Haas, G.J., '56, Use of the membrane filter in the brewing industry. Wallerstein Lab. Communications, XIX:64:7-22, Mar.

*201. Haas, G.J., Fleischman, A.I., '57, Methods for the evaluation of pasteurization. Wallerstein Lab. Communications XX:68, Mar.

b. Drugs and Pharmaceuticals

*140. Riegelman, S., Vaughn, D.G., Jr., Okumoto, M., '55, Compounding opthalmic solutions. J.Am. Pharm. Assn. XVI:12: 742-6, Dec.

*183. Schaufus, C.P., '57, A new method for sterility determination of parenterals with the Millipore filter. Res.Dept. Millipore Filter Corp., Proc. of Parenteral Drug Assn.

*184. Holdowsky, S., '57, A new sterility test for antibioticals; An application of the membrane filter technique. Antibiotics & Chemotherapy, Feb.

245. Schaufus, C.P., '57, High volume process filtration with the new Millipore microweb filter. The Bulletin of the Parenteral Drug Assn., 11:6:21-24, Nov. Dec.

*268. Bowman, Frances W., Holdowsky, S., '58, Survival of bacteria in dihydrostreptomycin solutions for injection. Antibiotics and Chemotherapy, VIII:8:406-09, Aug.

*301. Webb, R.B., Ehret, C.F., Powers, E.L., '58, A study of the temperature dependence of radiation sensitivity of dry spores of Bacillus megaterium between 5°K and 309°K. Experientia, XIV/9:324, Sept.

*332. Briner, W.H., and Skolaut, M.W. '60, For precision filtration...a new membrane filter. J.Amer.Pharm.Assn., Practical Pharmacy Ed., 21:5:287-289, May.

*334. Thurston, J.R., Hawkins, J.E., Steenken, W.Jr., '60, The effect of filtration on biologic products. I. Influence on the serologic activity of old tuberculin. Amer. Rev. of Respiratory Diseases, 82:1, pp. 77-81, July.

*336. Marcus, S., Anselmo, C., Luke, J., '59, Studies on bacterial pyrogenicity. II. A bacteriological test for pyrogens in parenteral solutions.

c. Foods, Meats, Soft Drinks, Sugars

80. Burke, C.P., '54, Application and evaluation of the Millipore filter technique in food bacteriology. Paper presented at the Mtg. of the NY Sec. of the Inst. of Food Tech., Jan.

88. Murphy, J.F., Silliker, J.H., '55, Special applications of the membrane filter in the food industry. Bacteriol. Proc., 20-21

*212. Silliker, J.H., Andrews, H.P., Murphy, J.F., '57, A new non-destructive method for the bacteriological sampling of meats. XI:6:317-18, Jan.

*213. Coleman, Mary C., Bender, C.R., '57, Microbiological examination of liquid sugar using molecular membrane filters. Soc. of Soft Drink Technologists 4th Ann. Mtg., Apr.

*215. Halden, H.E., '57, Methods for count of microorganisms in liquid sugar. J.Am.Soc. of Sugar Beet Technologists. IX:5:393-99, Apr.

272. Bernhardt, W.O., Eis, F.G., McGinnis, R.A., (Spreckles Sugar Co.), '58, The measurement of color and turbidity in solutions of white granulated sugars. Am.Chem.Soc., 134th Natl. Mtg., Chicago, Sept.

*299. Halden, H.E., Leethem, D. and Eis, F.G., '58, Developments in methods for microbiological control in liquid sugar. J.Amer.Soc. of Sugar Beet Technologists, Feb. 24.

*330. Schaufus, C.P., '60, The microbiological examination of liquid sugar by the Millipore filter procedure. Society of Soft Drink Technologists, 7th Annual Mtg. April

d. Milk and Dairy Products

56. Barber, F.W., Burke, C.P., Fram, H., '54, The Millipore filter technique in the dairy industry. J.Milk & Food Tech., 17:109-112, Apr.

80. Burke, C.P., '54, Application and evaluation of the Millipore filter technique in food bacteriology. Paper presented at the Mtg. of the NY Sec. of the Inst. of Food Tech., Jan.

88. Murphy, J.F., Silliker, J.H., '55, Special applications of the membrane filter in the food industry. Bacteriol. Proc., 20-21

*108. Cole, C.C., '55, Fast, accurate bacteria counting method. Food Proc., 16:7:54-6, July

147. Walter, W.G., '55, Symposium on methods for determining bacterial contamination on surfaces. Bacteriol. Rev., 19:4, Dec.

205. Rodriquez, R.B., Walter, W.G., '57, Use of the membrane filter for the microbiological testing of dairy products. The Sanitarian, 19:5:196-97, 218, Mar. - Apr.

*210. Fifield, C.W., Hoff, H., Proctor, B.E., '56, The Millipore filter for enumerating coliform organisms in milk. Contribution #313 from the Dept. of Food Tech., Mass. Inst. of Tech., based upon a paper presented at the 35th Ann. Mtg. of the Vermont Dairy Plant Operators' and Managers' Assn., Oct.

*213. Coleman, Mary C., Bender, C.R., '57, Microbiological examination of liquid sugar using molecular membrane filters. Soc. of Soft Drink Technologists 4th Ann. Mtg., Apr.

*310. Nutting, L.A., Lomot, P.C. and Barber, F.W., '59, Estimation of coliform bacteria in ice cream by use of the membrane filter. Applied Microbiology, Vol. 7, No. 4, pp 196-199, July

*313. Reusse, U., Dr., '59, Quantitative determination of Brucella in cow's milk by means of membrane filtration. Bull.Org. Mond.Sante, Bull.Wld.Hlth.Org., 21, 782-784

5 Marine

9. Goetz, A., Gilman, R.H., Rawn, A.M., '52, Application of molecular filter membranes to specific problems in water analysis. J.Am. Water Works Assn., 44:471-83, June

*Printed abstract available from Millipore.

14. Oppenheimer, C., '52, The membrane filter in marine microbiology. J. Bacteriol. 64:783-86, Dec.

62. Fox, D.L., Oppenheimer, C.H., Kittredge, J.S., '53, Microfiltration in oceanographic research. II. Retention of colloidal micelles by adsorptive filters and by filter feeding invertebrates: Proportions of dispersed organic to dispersed inorganic matter and to organic solutes. J. Mar. Res., 12:233-43

70. Presnel, M.W., Arciez, W., Kelly, C.B., '54, Comparison of the MF and MPN techniques in examining sea water. Pub. Health Rep. 69:300-04

99. Tennant, A.D., Erdman, L.E., '55, The membrane filter in the bacteriological analysis of sea water. Can. J. Pub. Health, 46:44-45

110. Fraser, R.S., Argall, C.I., '54, Survival of E. coli in water from great salt lake. Sewage & Ind. Wastes, 26:9: 1141-44

176. Henderson, W.L., Nelson, L.M., '56 Bacterial studies related to disposal of sewage thru ocean out-falls. A Progress Rep. from Lab. of Cty. San. Dists. of Orange Cty., Calif., Oct.

207. Conner, R.M., '57, Comparison of fermentation tube and membrane filter techniques for estimating coliform densities in sea water. Appl. Microbiol. 5:3:141-44, I. Preliminary Rep., May

*292. Henderson, W.L., '59, Studies on the use of membrane filters for the estimation of coliform densities in sea water, Sewage & Ind. Wastes, 31:1:78-91, Jan.

*307. Jannasch, H.W., Jones, G.E., '59, Bacterial populations in sea water as determined by different methods of enumeration. Limnology and Oceanography, Vol. 4, No. 2, pp 128-139, April

6 Soil

112. Gordon, M.A., Cupp, N.B., Jr., '53, Detection of Histoplasma capsulatum and other fungus spores in the environment by means of the membrane filter. Mycologia, 45:241-52

113. Ajello, L., '54, Occurrence of Histoplasma capsulatum and other human pathogenic molds in Panamanian soils. Am. J. Tropical Med. & Hyg., 3:5:897-904, Sept.

122. Goldberg, S.S., Gainey, P.L., '55, Role of surface phenomena in nitrification. Soil Sci., 80:43-53, July

7 Specific Organisms

a. Aerobacter aerogenes

8. Geldreich, E.E., Jeter, H.L., '52, Evaluation of differential media on the membrane filter. SAB 52nd Gen. Mtg., Boston, Apr. - May

*57. Jeter, H.L., Geldreich, E.E., Clark, H.F., '54, Type differentiation of coliform organisms with membrane filter technique. J. Am. Water Works Assn., 46:386-94, Apr.

b. Bacillus anthracis

61. Gordon, M.A., Moody, M.D., Barton, A.M., Boyd, F.M., '54, Industrial air sampling for anthrax bacteria. Arch. Ind. Hyg. & Occ. Med., 10:16-22, July

c. Bacillus megaterium

*38. Powers, E.L., Ehret, C.F., '53, Inactivation by x-rays of dry spores of Bacillus megaterium on Millipore filters. Bacteriol. Proc. 53rd Gen. Mtg., SAB, San Francisco, 30, Aug.

90. Szybalski, W., Hunter-Szybalski, Mary E., '55, Synchronization of nuclear and cellular division in Bacillus megaterium. Bacteriol. Proc., 36-37

199. Powers, E.L., Ehret, C.F., Bannon, Anne, '57, The membrane filter technique in radiation studies of spores of Bacillus megaterium. Appl. Microbiol. 5:2:61-64, Mar.

*301. Webb, R.B., Ehret, C.F., Powers, E.L., '58, A study of the temperature dependence of radiation sensitivity of dry spores of Bacillus megaterium between 5°K and 309°K. Experientia, XIV/9:324, Sept.

d. Bacillus subtilis

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

60. Humphrey, A., '53, Air sterilization by fibrous media. Thesis (PhD) Faculty of pure science, Columbia Univ., NYC

e. Brucella

51. Braun, W., Kelsh, J., '54, Improved method for cultivation of Brucella from blood. Proc. Soc. Exp. Biol. Med., 85:154-55, Jan.

*313. Reusse, U., Dr., '59, Quantitative determination of Brucella in cow's milk by means of membrane filtration. Bull. Org. Mond. Sante, Bull. Wld. Hlth. Org., 21, 782-784

f. Brucella melitensis

169. Gaspar, A.J., Leise, J.M., '56, Inhibitory effect of grid imprints on growth of Brucella melitensis on membrane filters. Bacteriol. Proc., A29:31

g. Coccidioides immitis

*133. Wayne, L.G., Juarex, W.J., '55, Isolation of Coccidioides immitis from spinal fluid by molecular filter membrane technique. Am. J. Clin. Path., 25:10: 1209-11, Oct.

h. Coliform (see WATER-SEWAGE)

i. Desulfovibrio aestuarii

156. Goetz, A., Tsuneishi, N., '56, A method for cultivation of Desulfovibio aestuarii on molecular filter membranes. 56th Gen. Mtg., SAB, May

*239. Tsuneishi, N., Goetz, A., '58, A method for the rapid cultivation of Desulfovibrio aestuarii on filter membranes. Appl. Microbiol., 6:1:42-44, Jan.

j. Endamoeba histolytica

191. Chang, Shih L., Kabler, P.W., '56, Detection of cysts of Endamoeba histolytica in tap water by the use of the membrane filter. Am. J. of Hyg., 64:2:170-80, Sept.

k. Enterococci (see WATER-SEWAGE)

l. Escherichia coli

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969. Dec.

8. Geldreich, E.E., Jeter, H.L., '52, Evaluation of differential media on the membrane filter. SAB 52nd Gen. Mtg., Boston, Apr. - May

*57. Jeter, H.L., Geldreich, E.E., Clark, H.F., '54, Type differentiation of coliform organisms with membrane filter technique. J. Am. Water Works Assn., 46:386-94, Apr.

96. Shipe, E.L., Cameron, G.M., '54, A comparison of the membrane filter with the most probably number method for coliform determinations from several waters. Appl. Microbiol., 2:85-88

98. Matney, T.S., '55, New uses for membrane filters. I. The determination of the spontaneous mutation rate of Escherichia coli to streptomycin resistance. J. Bacteriol. 69:101-02, Jan.

102. Shipe, E.L., Jr., Field, A., '54, A comparison of the molecular filtration technique with agar plate counting for the enumeration of Escherichia coli in various aqueous concentrations of zinc and copper sulfates. Appl. Microbiol. 2:6:382-84, Nov.

110. Fraser, R.S., Argall, C.I., '54, Survival of E. coli in water from Great Salt Lake. Sewage & Ind. Wastes, 26:9: 1141-44

181. Cope, E., Convenor, '56, Symposium on new aspects of water bacteriology. Bacteriol. Rev., 20:4:259-60, Dec.

*298. Buttiaux, R., '58, Surveillance et Controle Des Eaux D'Alimentation III. - La standardisation des methodes d'analyse bacteriologique de l'eau (in French) Revue d'Hygiene et de Medecine Sociale, Tome 6, No. 2, pp 170-192

*329. Anderson, P.A. and Pettijohn, D.E., '60, Synchronization of division in Escherichia coli. Science, Vol. 131, p. 1098, April

m. Histoplasma capsulatum

11. Gordon, M.A., Ajello, L., Georg, Lucille K., Zeidberg, L.D., '52, Microsporum gypseum and Histoplasma capsulatum spores in soil and water. Science, 116:208, Aug.

43. Ibach, Martha J., Larsh, H.W., Furcolow, M.L., '54, Isolation of Histoplasma capsulatum from the air. Science, 119:71, Jan.

112. Gordon, M.A., Cupp, N.B., Jr., '53, Detection of Histoplasma capsulatum and other fungus spores in the environment by means of the membrane filter. Mycologia, 45:241-52

113. Ajello, L., '54, Occurrence of Histoplasma capsulatum and other human pathogenic molds in Panamanian soils. Am. J. Tropical Med. & Hyg., 3:5:897-904, Sept.

*240. Metzler, D.F., Ritter, Cassandra, Culp, R.L., '56, Combined effect of water purification processes on the removal of Histoplasma capsulatum from water. Am. J. Pub. Health, 46:12:1571-75, Dec.

n. Leptospira

*281. Rittenberg, M.B., Linscott, W.D., Ball, M.G., '58, Simple method for separating Leptospirae from contaminating microorganisms. J. Bacteriol., 76:6: 669-70, Dec.

o. Microsporum gypseum

11. Gordon, M.A., Ajello, L., Georg, Lucille K., Zeidberg, L.D., '52, Microsporum gypseum and Histoplasma capsulatum spores in soil and water. Science, 116:208, Aug.

*Printed abstract available from Millipore.

113. Ajello, L., '54, Occurrence of Histoplasma capsulatum and other human pathogenic molds in Panamanian soils. Am.J. Tropical Med. & Hyg., 3:5:897-904, Sept.

p. Mycobacterium tuberculosis

*74. Wayne, L.G., '58, Cultivation and visualization of mycobacteria on molecular filter membranes. J.Bacteriol., 69:1:92-96, Jan.

*93. Rogers, D.E., Cooke, G.M., Meyers, C.E., '55, The detection of tubercule bacilli in mouthwash specimens by the use of membrane filter cultures. Am.Rev. TB & Pulmonary Dis., 71:3:371-81, Mar.

*196. Haley, Leanor D., Arch, Rosty, '57, Use of Millipore membrane filter in the diagnostic tuberculosis laboratory. Am. J. Clin. Path., 27:1:117-121, Jan.

208. Johnson, B.H., Braunstein, S.C., '57, Adaptation of the Millipore filter in the isolation of beta hemolytic streptococci. Naval Med. Research Unit #4, U.S.N. Training Center, Great Lakes, Ill., Res. Proj. Rep. NM52-06-04-1-1, Mar.

*244. Bradbury, H.G., Young, M.J., '57, Aerial sampling of effluent from waste fires. ANP. Doc. No. NARF-57-56T, MR-N-188, Convair, A Div. of General Dynamics Corp., Fort Worth, Texas, Dec.

*261. McKinney, Ruth A., '58, The preparation of tuberculosis sputum for membrane filter filtrations. The Am. Rev. of Tuberculosis and Pulmonary Diseases, 77:6:1019-22, June

*296. Wayne, L.G., '59, Quantitative aspects of neutral red reactions of typical and "atypical" mycobacteria, Am.Rev.Tuberculosis and Pulmonary Diseases, 79:4:526-530, April

q. Neisseria gonorrhoeae

*182. Cole, C.C., Use of the Millipore filter in the isolation of Neisseria gonorrhoeae Lab. Dir. Flint, Michigan, Dept. of Health, Unpublished.

r. Pasteurella pestis

*259. Wolochow, H., '58, The membrane filter technique for estimating numbers of viable bacteria. Some observed limitations with certain species. Appl. Microbiol., 6:3:201-06, May

s. Pasteurella tularensis

159. Gaspar, J.A., Leise, J.M., '55, Inhibitory effect of grid imprints on growth of Pasteurella tularensis on membrane filters. J.Bacteriol., 71:6:728-731, Nov.

t. Pseudomonas aeruginosa

*338. Hugill, P.R., Osheroff, B.J., Skolaut, M.W., '60, Equipment and techniques for sterile dispensing of ophthalmic solutions, Am. Jour. of Hosp. Pharm., 17:535-539, Sept.

u. Salmonella typhosa

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub.Health Rep. 66:951-77, July

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

8. Geldreich, E.E., Jeter, H.L., '52, Evaluation of differential media on the membrane filter. SAB 52nd Gen. Mtg., Boston, Apr. - May

12. Kabler, P.W., Clark, H.F., '52, The use of differential media with the membrane filter. Am.J. Pub.Health, 42:390- 92, Apr.

*24. Collet, Elizabeth, Johnston, R., Ey, L.F., Croft, C.C., '53, Isolation of Salmonella typhosa from well water by the membrane filter technic. J.Am. Pub. Health Assn. 43:1438-40, Nov.

*225. Kenner, B.A., Rockwood, Sue; Kabler, P.W., '57, Isolation of members of the genus Salmonella by membrane filter procedure. Appl. Microbiol. 5:5:305-07, Sept.

v. Salmonella typhimurium

12. Kabler, P.W., Clark, H.F., '52, The use of differential media with the membrane filter. Am.J. Pub.Health, 42:390-92, Apr.

*225. Kenner, B.A., Rockwood, Sue; Kabler, P.W., '57, Isolation of members of the genus Salmonella by membrane filter procedure. Appl. Microbiol. 5:5:305-07, Sept.

w. Serratia marcescens

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

*259. Wolochow, H., '58, The membrane filter technique for estimating numbers of viable bacteria. Some observed limitations with certain species. Appl. Microbiol., 6:3:201-06, May

x. Staphylococcus

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussions: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

204. Mandle, R.J., Sweeney, F., Wise, R.I., '57, Propogation in broth of bacteriophages for staphylococcal typing. Bacteriol. Proc. 97

*230. Sullivan, Mary, L., Lind, H.E., Lisanti, V.F., '57, Adaptation of the membrane filter technique to the recovery of coagulase positive Staphylococcus aureus from human saliva. J. Bacteriol., 74:4:542-43, Oct.

*279. Walter, C.W., Rubenstein, A.D., Kundsin, Ruth B., Shilkret, Mary A., '58, Bacteriology of the bedside carafe. N.E.J. of Med., 259:1198-1202, Dec.

y. Streptococcus beta hemolytic

208. Johnson, B.H., Braunstein, S.C., '57, Adaptation of the Millipore filter in the isolation of beta hemolytic streptococci. Naval Med. Research Unit #4, U.S.N. Training Center, Great Lakes, Ill., Res.Proj.Rep. NM52-06-04-1-1, Mar.

z. Trichophyton mentagrophytes

*262. Lorincz, A.L., Priestley, J.O., Jacobs, P.H., '58, Evidence for a humoral mechanism which prevents growth of dermatophytes. The J. of Investigative Dermatology, 31:1:15-17, July

aa. Vibrio comma

180. Felsenfeld, O., Rokkaku, W.K., '56, Adaptation of the membrane filter technique to the recovery of Vibrio comma from water samples. J.Bacteriol., 72:6:869-70

D. WATER-SEWAGE

1 Enterococci

*83. Slanetz, L.W., Bent, D.F., Bartley, Clara H., '55, Use of the membrane filter technique to enumerate Enterococci in water. Pub. Health Rep., 70:67-72, Jan.

*170. Slanetz, L.W., Bartley, C.H., Ray, V.A., '56, Further studies on membrane filter procedures for the determination of numbers of Enterococci in water and sewage. Bacteriol. Proc., M134:104

*231. Slanetz, L.W., Bartley, Clara H., '57, Numbers of Enterococci in water, sewage, and feces determined by the membrane filter technique with an improved medium. J. Bacteriol., 74:5: 591-95, Nov.

*319. Croft, C.C., '59, A comparative study of media for detection of Enterococci in water. Amer.J.Pub.Hlth, Vol. 49, No. 10, Oct.

2 Field Techniques

31. Goetz, A., '53, Application of molecular filter techniques to the bacterial assay of sewage. Sewage Ind. Wastes, 25:1136-44

45. Laubusch, E.J., Geldreich, E.E., Jeter, H.L., '53, Membrane filter procedure applied in the field. Pub. Health Rep., 68:1118-1122, Nov.

94. O'Leary, F.M., Lense, F.T., '55, A field kit for sampling and culturing bacteria. Bacteriol. Proc., 45

128. Bliss, A.H., Steinmetz, W.H., Witt, R.C., '55, A tool for the sanitarian the molecular filter portable water lab. Sanitarian, 15-20, July-Aug.

131. Geldreich, E.E., Kabler, P.W., Jeter, H.L., Clark, H.F., '55, A delayed incubation membrane filter test for coliform bacteria in water. Am. J. Pub. Health, 45:1462-74, Nov.

144. Federal Civil Defense Adm. Tech. Svcs. Rep. #271, '56, Portable field laboratories provide new method of measuring water quality. Jan.

185. Eliassen, R., '57, Rapid field analyses pinpoint coliform contamination in reservoir. Water Works Eng., Feb.

269. MacLean, D., '58, The MF Millipore filter - its uses and applications. J. of the N.E. Water Works Assn. 72:3:272-88, Sept.

3 MF vs. MPN

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub. Health Rep. 66:951-77, July

16. Woodward, R.L., '52, Results of statistical analysis of data comparing dilution method and membrane filter method for estimating coliform densities in various waters. EHC Act. Rep. 11:13, Jan., Mar., Cited by Goetz, Gilman and Rawn, J. Am. Water Works Assn. 44:475

53. Kabler, P., '54, Water examinations by membrane filter and most probable number procedures. Am. J. Pub. Health, 44:379-86, Mar.

59. Sturtevant, R.M., '54, A study of the MPN procedure vs. the molecular filter membrane technique on raw water samples. Thesis (Master of Science) Univ. of Mass.

70. Presnel, M.W., Arciez, W., Kelly, C.B., '54, Comparison of the MF and MPN techniques in examining sea water. Pub.Health Rep. 69:300-04

*Printed abstract available from Millipore.

82. Bush, J.H., '55, Status of the membrane filter in the bacteriological examination of water. J.N.E. Water Works Assn., 69:1:1-8

96. Shipe, E.L., Cameron, G.M., '54, A comparison of the membrane filter with the most probable number method for coliform determinations from several waters. Appl. Microbiol., 2:85-88

97. Shipe, E.L., Fields, A., '55, Coliform determinations from swimming and wading pools by membrane filtration and the most probable number method. Pub. Health Lab., 13:44-47, Mar.

104. Thomas, H.A., Jr., Woodward, R.L., '55, Estimation of coliform density by the membrane filter and the fermentation tube methods. Rep. to Natl. Acad. of Sci., Sub-Comm. on waste disp. and Sub-Comm. on water supply, June

127. Eliasson, R., '55, A realistic appraisal of membrane filters for water quality control. Water & Sewage Works, Dec.

131. Geldreich, E.E., Kabler, P.W., Jeter, H.L., Clark, H.F., '55, A delayed incubation membrane filter test for coliform bacteria in water. Am. J. Pub. Health, 45:1462-74, Nov.

135. McCarthy, J.A., '55, Comparative coliform densities in water by membrane filter test and by multiple tube technique. Pub. Health Assn. 83rd Ann. Mtg., Nov.

137. Rawn, A.M., Bowerman, F.R., '56, The membrane filter advantages and disadvantages. Water & Sewage Works, 36-37

143. National Research Council Rep. on Water Quality & Treatment by Committee, '55, Membrane filter for coliform determination. J.N.E. Water Works Assn., 69:4:389-90

*170. Slanetz, L.W., Bartley, C.H., Ray, V.A., '56, Further studies on membrane filter procedures for the determination of numbers of Enterococci in water and sewage. Bacteriol. Proc., M134:104

175. Anon. '56, Membrane filter procedure now approved as alternate to MPN test. Water & Sewage Works, Dec.

176. Henderson, W.L., Nelson, L.M., '56, Bacterial studies related to disposal of sewage thru ocean out-falls. A Progress Rep. from Lab. of Cty. San. Dists. of Orange Cty., Calif., Oct.

178. Thomas, H.A., Jr., Woodward, R.L., Kabler, P.W., '57, The use of molecular filter membranes for water potability control. J. Am. Water Works Assn., Nov.

207. Conner, R.M., '57, Comparison of fermentation tube and membrane filter techniques for estimating coliform densities in sea water. Appl. Microbiol. 5:3:141-44, I. Preliminary Rep., May

*223. Clark, H.F., Kabler, P.W., Geldreich, E.E., '57, Advantages and limitations of the membrane filter procedure. Water & Sewage Works, 385-87, Sept.

*234. Adams, R.B., '57, Comparison of standard dilution and membrane filter methods. J.Am.Water Works Assn., 49: 11:1452-58, Nov.

*242. Jones, T.C., Major, USAF (MSC) '57, Use of the membrane filter for potable water in the Air Force, U.S. Armed Forces Med. J., 8:10:1495-1506, Oct.

*250. McKee, J.E., McLaughlin, R.T., '58, Application of molecular filter techniques to the bacterial assay of sewage. II. Experimental results for settled sewage. Sewage & Ind. Wastes, 30:2:129-37, Feb.

*251. McKee, J.E., McLaughlin, R.T., Lesgourgues, P., '58, Application of molecular filter techniques to the bacterial assay of sewage. III. Effects of physical and chemical disinfection. Sewage & Ind. Wastes, 30:3:245-52, Mar.

*265. Laubusch, E.J., '58, MPN coliform index. Water & Sewage Works, 105:8:334-38, Aug.

276. Hazey, G., '58, An operator's viewpoint of the membrane filter technique. The Am. City, 73:11:116-18, Nov.

*292. Henderson, W.L., '59, Studies on the use of membrane filters for the estimation of coliform densities in sea water, Sewage & Ind. Wastes, 31:1:78-91, Jan.

*293. Anon., '59, ORSANCO's 10th Annual Report, Membrane filter adopted, Water & Sewage Works, 106:3:140-141, Mar.

*298. Buttiaux, R., '58, Surveillance et Controle Des Eaux D'Alimentation III. - La standardisation des methodes d'analyse bacteriologique de l'eau (in French) Revue d'Hygiene et de Medecine Sociale, Tome 6, No. 2, pp 170-192

*341. Streeter, H.W., Robertson, D.A., Jr., '60, Evaluation of membrane filter technique for appraising Ohio River water quality, Journal AWWA, 52:2:229-246, Feb.

4 Potable Water (inc. Coliform)

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub. Health Rep. 66:951-77, July

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J.Am. Water Works Assn., 43:943-969, Dec.

6. Clark, H.F., Kabler, P.W., '52, The membrane filter in water quality tests. Am.J. Pub.Health, 42:385-88, Apr.

15. Slanetz, L.W., '52, Membrane filters and their use for the bacteriological analysis of water. J.N.E. Water Works Assn., 66: 335-39, Sept.

22. Bush, J.H., '53, New bacteriol. technique for testing water & sewage. Water & Sewage Works, 100:151-53

36. McKee, J.E., Derby, R.L., Goetz, A., Noble, R.E., Streicher, L., '53, Technique of bacterial examination of water with molecular filter membranes. J.Am.Water Works Assn., 45:1196-1210, Nov.

39. Taylor, E.W., Burman, N.P., Oliver, C.W., '53, Use of the membrane filter in the bacteriological examination of water. J.Appl. Chem., 3:233-240

41. Yee, G.S., Krabek, W.B., Schaufus, C.P., '53, New medium for bacteriological analysis with molecular filter membranes. J.Am. Water Works Assn., 45: 945-51, Sept.

46. Levin, G.V., Laubusch, E.J., '54, Membrane filter and emergency water supply control. Am.J.Pub.Health, 44: 55-63, Jan.

64. Long, R.P., Levin, G.V., '54, Pullman city sanitation. Pub.Health Rep. 69:3:263-68, Mar.

75. Std. methods for the examination of water, sewage and ind. wastes. Test for presence of members of the coliform group-membrane filter procedure (tentative) Am. Pub.Health Assn., 1790 Broadway, NYC., 10:395-404

76. Slanetz, L.W., Bartley, C.H., '55, Evaluation of membrane filters for the determination of numbers of coliform bacteria in water. Appl. Microbiol., 3:1, Jan.

85. McClesky, C.S., '54, The bacteriological examination of water and the membrane filter method.. La.State Univ.Eng.Expt. St. Bltn. 44, Proc. of the 17th Ann. Short Course for Water & Sewage Plant Supts. & Opers., 34-37

92. Krasnow, I., Wayne, L.G., Salkin, D., '55, A microcolonial test for the recognition of virulent mycobacteria. Am.Rev. TB & Pulmonary Dis., 71:3:361-70

126. Bush, J.H., '55, The membrane filter applied to water supply control. Water & Sewage Works, 102:11:436-7, Oct.

131. Geldreich, E.E., Kabler, P.W., Jeter, H.L., Clark, H.F., '55, A delayed incubation membrane filter test for coliform bacteria in water. Am.J.Pub.Health, 45:1462-74, Nov.

146. Sullivan, F.G., '55, Practical aspects of the use of the Millipore filter technique in the control of water quality. Pa.Water Works Operators' Assn., Aug.

163. Hirsch, A.A., '56, Use of molecular filter membranes for water plant control tests and clearance of new pipelines. J.Am. Water Works Assn., Sept.

164. Eye, J.D., Gardner, J.G., Neel, J.F., '56, Effects of media, temperature and humidity on the development of coliform organisms on molecular filter membranes. Sept.

*170. Slanetz, L.W., Bartley, C.H., Ray, V.A., '56, Further studies on membrane filter procedures for the determination of numbers of Enterococci in water and sewage. Bacteriol.Proc., M134:104

177. Levin, G.V., Harrison, V.R., Hess, W.C., Gurney, H.C., '56, A radioisotope technic for the rapid detection of coliform organisms. Am.J. Pub.Health, 46:1405-14, Nov.

178. Thomas, H.A., Jr., Woodward, R.L., Kabler, P.W., '57, The use of molecular filter membranes for water potability control. J.Am.Water Works Assn., Nov.

180. Felsenfeld, O., Rokkaku, W.K., '56, Adaptation of the membrane filter technique to the recovery of Vibrio comma from water samples. J.Bacteriol., 72:6:869-70

181. Cope, E., Convenor, '56, Symposium on new aspects of water bacteriology. Bacteriol. Rev., 20:4:259-60, Dec.

191. Chang, Shih L., Kabler, P.W., '56, Detection of cysts of Endamoeba histolytica in tap water by the use of the membrane filter. Am.J. of Hyg., 64:2:170-80, Sept.

*223. Clark, H.F., Kabler, P.W., Geldreich, E.E., '57, Advantages and limitations of the membrane filter procedure. Water & Sewage Works, 385-87, Sept.

232. Clark, H.F., Geldreich, E.E., Kabler, P.W., Bordner, R.H., Huff, C.B., '57, The coliform group, I. The boric acid lactose broth reaction of coliform IMViC types. Appl.Microbiol., 5:6:396-400, Nov.

*234. Adams, R.B., '57, Comparison of standard dilution and membrane filter methods. J.Am.Water Works Assn., 49:11:1452-58, Nov.

*238. Fifield, C.W., Schaufus, C.P., '58, Improved membrane filter medium for the detection of coliform organisms. J.Am. Water Works Assn., 50:2:193-96, Feb.

*Printed abstract available from Millipore.

*242. Jones, T.C., Major, USAF (MSC) '57, Use of the membrane filter for potable water in the Air Force, U.S. Armed Forces Med. J., 8:10:1495-1506, Oct.

243. Greenberg, A.E., Yee, Lois, Hartmann, F.W., '56, The present state of knowledge concerning the membrane filter in water bacteriology, The Public Health Laboratory, 14:3:73-77, May

263. Vlassoff, L.T., '58, For water-works laboratories - A new technique. The Municipal Utilities Magazine, (Canada), 96:7:58, 70, 72, July

*264. McCarthy, J.A., Delaney, J.E., '58, Membrane filter media studies. Water & Sewage Works, 105:7:292-96, July

*279. Walter, C.W., Rubenstein, A.D., Kundsin, Ruth B., Shilkret, Mary A., '58, Bacteriology of the bedside carafe. N.E.J. of Med., 259:1198-1202, Dec.

*298. Buttiaux, R., '58, Surveillance et Controle Des Eaux D'Alimentation III. - La standardisation des methodes d'analyse bacteriologique de l'eau (in French) Revue d'Hygiene et de Medecine Sociale, Tome 6, No. 2, pp 170-192

*325. McCarthy, J.A., Delaney, J.E., and Grasso, R.J., '60, Methods of measuring the coliform content of waters... a progress report. Sanitalk Vol. 8, No. 2, March

*343. Archer, V.A.A., Bacteriological examination of water in Barbados

5 Raw Water (inc. Coliform)

9. Goetz, A., Gilman, R.H., Rawn, A.M., '52, Application of molecular filter membranes to specific problems in water analysis. J.Am. Water Works Assn., 44:471-83, June

21. Broderick, J.T., '53, Membrane filter. Sani-Talk, 1:3:5-7, May

59. Sturtevant, R.M., '54, A study of the MPN procedure vs. the molecular filter membrane technique on raw water samples. Thesis (Master of Science) Univ. of Mass.

76. Slanetz, L.W., Bartley, C.H., '55, Evaluation of membrane filters for the determination of numbers of coliform bacteria in water. Appl. Microbiol., 3:1, Jan.

104. Thomas, H.A., Jr., Woodward, R.L., '55, Estimation of coliform density by the membrane filter and the fermentation tube methods, Rep. to Natl. Acad. of Sci., Sub-Comm. on waste disp. and Sub-Comm. on water supply, June

110. Fraser, R.S., Argall, C.I., '54, Survival of E. coli in water from Great Salt Lake. Sewage & Ind. Wastes, 26:9: 1141-44

*170. Slanetz, L.W., Bartley, C.H., Ray, V.A., '56, Further studies on membrane filter procedures for the determination of numbers of Enterococci in water and sewage. Bacteriol. Proc., M134:104

181. Cope, E., Convenor, '56, Symposium on new aspects of water bacteriology. Bacteriol. Rev., 20:4:259-60, Dec.

207. Conner, R.M., '57, Comparison of fermentation tube and membrane filter techniques for estimating coliform densities in sea water. Appl. Microbiol. 5:3:141-44, I. Preliminary Rep., May

209. Vallentyne, J.R., Whittaker, J.R., '56, On the presence of free sugars in filtered lake water. 124:3230:1026-27, Nov.

*223. Clark, H.F., Kabler, P.W., Geldreich, E.E., '57, Advantages and limitations of the membrane filter procedure. Water & Sewage Works, 385-87, Sept.

232. Clark, H.F., Geldreich, E.E., Kabler, P.W., Bordner, R.H., Huff, C.B., '57, The coliform group, I. The boric acid lactose broth reaction of coliform IMViC types. Appl. Microbiol., 5:6:396-400, Nov.

*234. Adams, R.B., '57, Comparison of standard dilution and membrane filter methods. J.Am. Water Works Assn., 49:11:1452-58, Nov.

284. Levin, G.V., Harrison, V.R., Hess, W.C., Hein, A.H., Strauss, V.L., '59, Rapid radioactive test for coliform organisms. J.Am. Water Works Assn., 51:1:101-04, Jan.

*292. Henderson, W.L., '59, Studies on the use of membrane filters for the estimation of coliform densities in sea water, Sewage & Ind. Wastes, 31:1:78-91, Jan.

6 Sewage

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub. Health Rep. 66:951-77, July

22. Bush, J.H., '53, New bacteriol. technique for testing water & sewage. Water & Sewage Works, 100:151-53

31. Goetz, A., '53, Application of molecular filter techniques to the bacterial assay of sewage. Sewage Ind. Wastes, 25:1136-44

69. Kelly, Sally M., Clark, Mary, Coleman, Marion B., Demonstration of infectious agents in sewage. Am. Pub.Health Assn., 82nd Ann. Mtg. Buffalo, Oct.

*170. Slanetz, L.W., Bartley, C.H., Ray, V.A., '56, Further studies on membrane filter procedures for the determination of numbers of Enterococci in water and sewage. Bacteriol. Proc., M134:104

*173. Engelbrecht, R.S., McKinney, R.E., '56, Membrane filter method applied to activated sludge suspended solids determinations. Sewage Works, 28:11:1321-25, Nov.

176. Henderson, W.L., Nelson, L.M., '56, Bacterial studies related to disposal of sewage thru ocean out-falls. A Progress Rep. from Lab. of Cty. San. Dists. of Orange Cty., Calif., Oct.

*250. McKee, J.E., McLaughlin, R.T., '58, Application of molecular filter techniques to the bacterial assay of sewage. II. Experimental results for settled sewage. Sewage & Ind. Wastes, 30:2:129-37, Feb.

*251. McKee, J.E., McLaughlin, R.T., Lesgourgues, P., '58, Application of molecular filter techniques to the bacterial assay of sewage. III. Effects of physical and chemical disinfection. Sewage & Ind. Wastes, 30:3:245-52, Mar.

*289. State Water Pollution Control Board, Sacramento, California, Publication No. 18, '57, Third Report on the Study of Waste Water Reclamation and Utilization: The air-borne bacterial study, Chap. V, pp 75-86

7 Standards for Water Testing

3. Anon., '52, Field test study of the membrane filter. Pub.Health Rep. 67:7:649, July

75. Std. methods for the examination of water, sewage and ind. wastes. Test for presence of members of the coliform group-membrane filter procedure (tentative) Am. Pub. Health Assn., 1790 Broadway, NYC., 10:395-404

139. Enslow, L.H., '56, The MF technique deserves full standard status. Water & Sewage Works, 46, Jan.

143. National Research Council Rep. on Water Quality & Treatment by Committee, '55, Membrane filter for coliform determination. J.N.E. Water Works Assn., 69:4:389-90

146. Sullivan, F.G., '55, Practical aspects of the use of the Millipore filter technique in the control of water quality. Pa. Water Works Operators' Assn., Aug.

175. Anon., '56, Membrane filter procedure now approved as alternate to MPN test. Water & Sewage Works, Dec.

*192. '56, Interstate quarantine drinking water standards, proposed amendment to regulations to permit use of membrane filter procedure in the examination of water. Dept. of Health, Educ. & Welfare, PHS, (42 CRF Part 72), Fed.Reg. 8110-11, Oct.

*202. '57, Interstate quarantine - drinking water standards, miscellaneous amendments. Amends regulations to permit use of membrane filter procedure in the examination of water. Dept. of Health, Educ. & Welfare, PHS, Fed. Reg. 1271-2, Mar.

222. Anon. Editorial, '57, Membrane filter method permitted by USPHS drinking water standards. Water Works Eng., 795, Aug.

*223. Clark, H.F., Kabler, P.W., Geldreich, E.E., '57, Advantages and limitations of the membrane filter procedure. Water & Sewage Works, 385-87, Sept.

*235. The Executive Committee of the Am. Water Works Assn. Board of Directors, '57, Acceptability of membrane filter procedure. J.Am. Water Works Assn., 49:12:1520, Dec.

236. Anon., '58, Acceptance of membrane filter procedure - A rep. of Am. Water Works Assn. Action, J.Am. Water Works Assn., 50:1:72-74, Jan.

*293. Anon., '59, ORSANCO's 10th Annual Report, Membrane filter adopted, Water & Sewage Works, 106:3:140-141, Mar.

8 Swimming Pools

97. Shipe, E.L., Fields, A., '55, Coliform determinations from swimming and wading pools by membrane filtration and the most probable number method. Pub. Health Lab., 13:44-47, Mar.

208. Johnson, B.H., Braunstein, S.C., '57, Adaptation of the Millipore filter in the isolation of beta hemolytic streptococci. Naval Med. Research Unit #4, U.S.N. Training Center, Great Lakes, Ill., Res. Proj. Rep. NM52-06-04-1-1, Mar.

*224. Robinton, Elizabeth D., Mood, E.W. Elliot, Louise R., '57, A study of bacterial flora in swimming pool water treated with high-free residual chlorine. Am.J. Pub. Health, 47:9:1101-09, Sept.

9 Wells (inc. Coliform)

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

*24. Collet, Elizabeth, Johnston, R., Ey, L.F., Croft, C.C., '53, Isolation of Salmonella typhosa from well water by the membrane filter technic. J.Am. Pub.Health Assn. 43:1438-40, Nov.

*Printed abstract available from Millipore.

178. Thomas, H.A., Jr., Woodward, R.L., Kabler, P.W., '57, The use of molecular filter membranes for water potability control. J.Am. Water Works Assn., Nov.

191. Chang, Shih L., Kabler, P.W., '56, Detection of cysts of Endamoeba histolytica in tap water by the use of the membrane filter. Am.J. of Hyg., 64:2:170-80, Sept.

*242. Jones, T.C., Major, USAF (MSC) '57, Use of the membrane filter for potable water in the Air Force, U.S. Armed Forces Med. J., 8:10:1495-1506, Oct.

E. BIOLOGICAL WARFARE

13. McCallum, G.E., Holy, W.E., Ludwig, H., '52, A safe water supply in civil disaster. Pub. Health Rep., 67:631-35, July

25. Creasy, W.M., Brig.-Gen., '53, The truth about biological warfare. Ordnance, 37:619-21, Jan., Feb.

52. Kramer, H.P., '54, Protecting water supply against intentional contamination. Am. Water Works Assn., Willing Water, 26, Feb.

66. Anon., '54, Bacteriological warfare defense points to a new multi-purpose filtering medium now available to civilians. J.Agr. & Food Chem., 2:769, July

82. Bush, J.H., '55, Status of the membrane filter in the bacteriological examination of water. J.N.E. Water Works Assn., 69:1:1-8

101. Kenyon, W.W., A remarkable development in the control of water quality. '55, Pub. Works Mag. 86:129-30, 215

125. Anon., '54, BW program disclosed. Ind. Engr. News, 32:3050, Aug.

144. Federal Civil Defense Adm. Tech. Svcs. Rep. #271, '56, Portable field laboratories provide new method of measuring water quality. Jan.

F. CYTOLOGY

1 Ascites

*294. Juniper, K., and Chester, C.L., '59, A filter membrane technique for cytological study of exfoliated cells in body fluids, Cancer, 12:2:278-285, Mar.-April.

*308. Oxender, D.L., Christensen, H.N. '59, Transcellular concentration as a consequence of intracellular accumulation. J. of Biological Chemistry, Vol. 234, No. 9, pp 2321-2324, Sept.

2 Blood

*282. Pruitt, J.C., Hilberg, A.W., Kaiser, R.F., '58, Malignant cells in peripheral blood. The N.E.J. of Med., 259:24:1161-64, Dec.

*290. Malmgren, R.A., Pruitt, J.C., DelVecchio, P.R., and Potter, J.F., '58, A method for the cytologic detection of tumor cells in whole blood, J. Natl. Cancer Inst., 20:6:1203-1213, June

*323. Scholander, P.F., '60, Oxygen transport through hemoglobin solutions. Science, Vol. 131, February 26

*339. Hemmingsen, E., Scholander, P.F. '60, Specific transport of oxygen through hemoglobin solutions, Science, 132:1379-1381, Nov.

3 Cerebrospinal Fluid

*275. Hutton, W.E., '58, A survey of the application of the molecular membrane filter to the study of cerebrospinal fluid cytology. The Am. J. of Clinical Pathology, 30:5:407-10, Nov.

4 Colon

*335. Thabet, R.J., Knoernschild, H.E. '60, Millipore filtration technic for colon washings, American J. of Clinical Pathology, 34:2:185-188, Aug.

5 Exfoliative

*172. Seal, S.H., '56, A method for concentrating cancer cells suspended in large quantities of fluid. Cancer, 9:5:866-68, Sept. - Oct.

*274. Solomon, C., Amelar, R.D., Hyman, R.M., Chaiban, R., Europa, D.L., '58, Exfoliated cytology of the urinary tract: A new approach with reference to the isolation of cancer cells and the preparation of slides for study. The J. of Urology, 80:5:374-82, Nov.

*294. Juniper, K. and Chester, C.L., '59, A filter membrane technique for cytological study of exfoliated cells in body fluids, Cancer, 12:2:278-285, Mar.-April

*314. DelVecchio, P.R., DeWitt, S.H., Borelli, J.I., Ward, J.B., Wood, T.A., Jr. and Malmgren, R.A., '59, Application of Millipore filtration technique to cytologic material. J.Nat.Cancer Inst., 22:427-431

*331. Bernhardt, H., Young, J.M., and Gourley, R.D., '60, A simplified Millipore filter technique for the isolation of cancer cells in body fluids. Cancer, Vol. 13, No. 3, May - June

6 Pulmonary Fluids

*294. Juniper, K. and Chester, C.L., '59, A filter membrane technique for cytological study of exfoliated cells in body fluids, Cancer, 12:2:278-285, Mar.-April

7 Semen

*342. Ellis, H.D., '60, Recovery of spermatozoa from semen stains, Amer.J. of Clinical Pathology, 34:1:95-98, July

8 Urine

*274. Solomon, C., Amelar, R.D., Hyman, R.M., Chaiban, R., Europa, D.L., '58, Exfoliated cytology of the urinary tract: A new approach with reference to the isolation of cancer cells and the preparation of slides for study. The J. of Urology, 80:5:374-82, Nov.

*316. Merritt, J.W., Henderson, W.B. and Slate, T.A., '59, A simplified filter technique for cytologic detection of urinary malignancies. J. of Urology, Vol. 82, No. 3, Sept.

G. MEDIA

1. Clark, H.F., Geldreich, E.E., Jeter, H.L., Kabler, P.W., '51, The membrane filter in sanitary bacteriology. Pub. Health Rep. 66:951-77, July

2. Goetz, A., Tsuneishi, N., '51, Application of molecular filters to the bacteriological analysis of water. Discussion: Kabler, 969-973, Streicher, 973-975, Neuman, 975-984, J. Am. Water Works Assn., 43:943-969, Dec.

5. Clark, H.F., Jeter, H.L., Geldreich, E.E., Kabler, P.W., '52, Domestic and European molecular filter membranes. J.Am. Water Works Assn. 44:1052-56, Nov.

8. Geldreich, E.E., Jeter, H.L., '52, Evaluation of differential media on the membrane filter. SAB 52nd Gen. Mtg., Boston, Apr.-May

36. McKee, J.E., Derby, R.L., Goetz, A., Noble, R.E., Streicher, L., '53, Technique of bacterial examination of water with molecular filter membranes. J.Am. Water Works Assn., 45:1196-1210, Nov.

41. Yee, G.S., Krabek, W.B., Schaufus, C.P., '53, New medium for bacteriological analysis with molecular filter membranes. J.Am. Water Works Assn., 45:945-51, Sept.

42. Hajna, A.A., Damon, S.R., '54, Coliform detection in water by a single step technique using the membrane filter. Pub. Health Rep., 69:58-60, Jan.

*57. Jeter, H.L., Geldreich, E.E., Clark, H.F., '54, Type differentiation of coliform organisms with membrane filter technique. J.Am. Water Works Assn., 46:386-94, Apr.

131. Geldreich, E.E., Kabler, P.W., Jeter, H.L., Clark, H.F., '55, A delayed incubation membrane filter test for coliform bacteria in water. Am.J. Pub.Health, 45:1462-74, Nov.

164. Eye, J.D., Gardner, J.G., Neel, J.F., '56, Effects of media, temperature and humidity on the development of coliform organisms on molecular filter membranes. Sept.

*231. Slanetz, L.W., Bartley, Clara H., '57, Numbers of Enterococci in water, sewage, and feces determined by the membrane filter technique with an improved medium. J.Bacteriol., 74:5:591-95, Nov.

*238. Fifield, C.W., Schaufus, C.P., '58, Improved membrane filter medium for the detection of coliform organisms. J.Am. Water Works Assn., 50:2:193-96,-Feb.

*264. McCarthy, J.A., Delaney, J.E., '58, Membrane filter media studies. Water & Sewage Works, 105:7:292-96, July

*317. Miller, J.J., '59, A modified membrane filter culture procedure and its use for assessment of nutrient in agar. Can.J.Microbiol., Vol. 5

*319. Croft, C.C., '59, A comparative study of media for detection of Enterococci in water. Amer. J.Pub.Hlth, Vol. 49, No. 10, Oct.

*325. McCarthy, J.A., Delaney, J.E., and Grasso, R.J., '60, Methods of measuring the coliform content of waters...a progress report. Sanitalk Vol.8, No. 2, March

*341. Streeter, H.W., Robertson, D.A., Jr., '60, Evaluation of membrane filter technique for appraising Ohio River water quality. Journal AWWA, 52:2:229-246, February

H. MICROSCOPY

*10. Goldberg, E.D., Baker, Marjorie, Fox, D.L., '52, Microfiltration in oceanographic research. I. Marine sampling with the molecular filter. J.Marine Res., 11:194-204, Nov.

*48. Richards, O.W., Krabek, W.B., '54, Visibilizing microorganisms on membrane filter surface. J.Bacteriol. 67:613, May

*74. Wayne, L.G., '55, Cultivation and visualization of mycobacteria on molecular filter membranes. J.Bacteriol., 69:1:92-96, Jan.

134. Lackey, J.A., '55, Microscopic examination in determination of water quality. Paper Am.Pub. Health Assn. 83rd Ann. Mtg., Nov.

141. Ehrlich, R., '55, Technique for microscopic count of microorganisms directly on membrane filters. J.Bact. 70:3:265-8, Sept.

*157. Shanahan, A.J., Fornwald, R.E., Chapman, D.M., Beachley, A.N., '56, Visualizing bacterial cells for direct microscopic counting on the Millipore filter, hydrosol type. J.Bacteriol 71:499-500

*287. Ecker, R.E., Lockhart, W.R., '59, A rapid membrane filter method for direct counts of microorganisms from small samples. J. Bacteriol., 77:2:173-76, Feb.

*Printed abstract available from Millipore.

I. MYCOLOGY

11. Gordon, M.A., Ajello, L., Georg, Lucille K., Zeidberg, L.D., '52, Microsporum gypseum and Histoplasma capsulatum spores in soil and water. Science, 116:208, Aug.

*37. Orlando, M.D., Bolduan, O.E.A., '53, The application of the membrane filter to a variety of pathogenic bacteria and fungi imperfecti. Bacteriol. Proc., 26, SAB 53rd Gen. Mtg., San Francisco, Aug.

*38. Powers, E.L., Ehret, C.F., '53, Inactivation by x-rays of dry spores of Bacillus megaterium on Millipore filters. Bacteriol. Proc. 53rd Gen.Mtg., SAB, San Francisco, 30, Aug.

112. Gordon, M.A., Cupp, N.B.,Jr., '53, Detection of Histoplasma capsulatum and other fungus spores in the environment by means of the membrane filter. Mycologia, 45:241-52

113. Ajello, L., '54, Occurrence of Histoplasma capsulatum and other human pathogenic molds in Panamanian soils. Am.J.Tropical Med. & Hyg., 3:5:897-904, Sept.

*188. Moroz, R., '57, Determination of yeast in sugar liquors using membrane filters. The International Sugar. J., 59: 699:70-71, Mar.

199. Powers, E.L., Ehret, C.F., Bannon, Anne, '57, The membrane filter technique in radiation studies of spores of Bacillus megaterium. Appl. Microbiol., 5:2:61-64, Mar.

205. Rodriquez, R.B., Walter, W.G., '57, Use of the membrane filter for the microbiological testing of dairy products. The Sanitarian, 19:5:196-97, 218, Mar. - Apr.

*215. Halden, H.E., '57, Methods for count of microorganisms in liquid sugar. J.Am.Soc. of Sugar Beet Technologists. IX:5:393-99, Apr.

*220. Funder, S., Johannessen, S., '57, The membrane filter as an aid in the cultivation and identification of fungi. J.Gen. Microbiol., (Great Britain), 17:1:117-19, Aug.

*257. Funder, S., '58, Use of the membrane filter in mycological class-work. Nature (Letters to the Editor) 181:4623:1606-07, June

*330. Schaufus, C.P., '60, The microbiological examination of liquid sugar by the Millipore filter procedure. Society of Soft Drink Technologists, 7th Annual Meeting, April

J. PARISITOLOGY

*333. Storm, L.W., Storm, N.S. and Dahlgren, D.A., '60, A modification of the Buchner funnel method for transferring and concentrating nematodes. Plant Disease Reporter, Vol. 44, No. 6, p 450, June 15

K. PLANKTON-ALGAE

*10. Goldberg, E.D., Baker, Marjorie, Fox, D.L., '52, Microfiltration in oceanographic research. I. Marine sampling with the molecular filter. J.Marine Res., 11:194-204, Nov.

62. Fox, D.L., Oppenheimer, C.H., Kittredge, J.S., '53, Microfiltration in oceanographic research. II. Retention of colloidal micelles by adsorptive filters and by filter feeding invertebrates: Proportions of dispersed organic to dispersed inorganic matter and to organic solutes. J.Mar. Res., 12:233-43

*160. Creitz, G.I., Richards, F.A., '55, The estimation and characterization of plankton populations by pigment analysis. III. A note on the use of Millipore membrane filters in the estimation of plankton pigments. J.Marine Res. 14:3:211-216, Nov.

241. Seymour, A.H., Held, E.E., Lowman, F.G., Donaldson, J.R., South, Dorothy J., '57, Survey of radioactivity in the sea and in pelagic marine life west of the Marshall Islands, Sept. 1-20, '56, Applied Fisheries Laboratory, Univ. of Washington, Seattle, Wash., Mar.

L. RADIOBIOLOGY

*10. Goldberg, E.D., Baker, Marjorie, Fox, D.L., '52, Microfiltration in oceanographic research. I. Marine sampling with the molecular filter. J.Marine Res., 11:194-204, Nov.

*38. Powers, E.L., Ehret, C.F., '53, Inactivation by x-rays of dry spores of Bacillus megaterium on Millipore filters. Bacteriol. Proc. 53rd Gen.Mtg., SAB, San Francisco, 30, Aug.

90. Szybalski, W., Hunter-Szybalski, Mary E., '55, Synchronization of nuclear and cellular division in Bacillus megaterium. Bacteriol. Proc., 36-37

*166. Atkinson, D.E., McFadden, B.A., '56, Use of membrane filters in the measurement of biological incorporation of radioactive isotopes. J.Bacteriol.

*167. Setter, L.R., Goldin, A.S., Nader, J.J., '54, Radioactivity assay of water and industrial wastes with internal proportion counter. Anal. Chem., 26:1304-06

177. Levin, G.V., Harrison, V.R., Hess, W.C., Gurney, H.C., '56, A radioisotope technic for the rapid detection of coliform organisms. Am.J.Pub.Health, 46:1405-14, Nov.

241. Seymour, A.H., Held, E.E., Lowman, F.G., Donaldson, J.R., South, Dorothy J., '57, Survey of radioactivity in the sea and in pelagic marine life west of the Marshall Islands, Sept. 1-20, '56, Applied Fisheries Laboratory, Univ. of Washington, Seattle, Wash., Mar.

284. Levin, G.V., Harrison, V.R., Hess, W.C., Hein, A.H., Strauss, V.L., '59, Rapid radioactive test for coliform organisms. J.Am. Water Works Assn., 51:1:101-04, Jan.

*301. Webb, R.B., Ehret, C.F., Powers, E.L., '58, A study of the temperature dependence of radiation sensitivity of dry spores of Bacillus megaterium between 5°K and 309°K. Experientia, XIV/9:324, Sept.

*302. Straub, Conrad P., '59, Determination of gross radioactivity in water, silt, and biological materials. Memo: Robt.A.Taft Sanitary Engineering Center, THS, Jan.

M. SPECIAL TECHNIQUES AND APPARATUS

1. Aerosol

171. McClung, N.M., '56, Method of collecting and filtering water samples without airborne contamination. J.Am. Water Works Assn., 48:7:781-82, July

2. Hydrosol

30. Goetz, A., '53, The concentometer method of applying molecular filter membranes. J.Am.Water Works Assn. 45:933-44, Sept.

68. Pomar, D., '54, An adaptation of the membrane filter technique. Pub.Health Lab., 12:72-73

91. Goetz, A., Tsuneishi, N., '55, A new method for the quantitative evaluation of inhibitory agents. Bacteriol. Proc., 43

136. Tarrant, W.J., '55, Restoration of pressure equilibrium in membrane filtration. J.Am. Water Works Assn.

N. STAINING

*10. Goldberg, E.D., Baker, Marjorie, Fox, D.L., '52, Microfiltration in oceanographis research. I. Marine sampling with the molecular filter. J.Marine Res., 11:194-204, Nov.

*74. Wayne, L.G., '55, Cultivation and visualization of mycobacteria on molecular filter membranes. J.Bacteriol., 69:1:92-96, Jan.

89. Schaufus, C.P., Krabek, W.B.,'55, Direct staining of microorganisms collected on the Millipore filter. Bacteriol. Proc., p 32

92. Krasnow, I., Wayne, L.G., Salkin, D., '55, A microcolonial test for the recognition of virulent mycobacteria. Am.Rev. TB & Pulmonary Dis., 71:3:361-70

141. Ehrlich, R., '55, Technique for microscopic count of microorganisms directly on membrane filters. J. Bact. 70:3:265-8, Sept.

*157. Shanahan, A.J., Fornwald, R.E., Chapman, D.M., Beachley, A.N., '56, Visualizing bacterial cells for direct microscopic counting on the Millipore filter, hydrosol type, J. Bacteriol., 71:499-500

*162. Carter, C.H., Gaspar, A.J., Leise, J.M., '56, Resazurin staining of bacterial colonies on membrane filters. J.Bacteriol. 71:5:623

*203. Fifield, C.W., Hoff, J.E., '57, Dilute malachite green: A background stain for the Millipore filter. Stain Technology, 32:2:95-96, Mar.

*214. Cooke, G.M., Duffy, Eleanor, Wolochow, H., '57, Staining of bacterial colonies on the Millipore filter to improve contrast. Stain Technology, 32:2:63-66, Mar.

*266. Carter, C.H., Leise, J.M., '58, Specific staining of various bacteria with a single fluorescent antiglobulin. J. of Bacteriol. 76:2:152-54, Aug.

O. STERILE FILTRATION

60. Humphrey, A., '53, Air sterilization by fibrous media. Thesis (PhD) Faculty of pure science, Columbia Univ., NYC.

95. Guyton, H.G., Buchanan, L.M., Lense, F.T., '55, Evaluation of respiratory protection provided by three types of contagion masks. Bacteriol. Proc., 45

*140. Riegelman, S., Vaughn, D.G., Jr., Okumoto, M., '55, Compounding opthalmic solutions. J.Am.Pharm. Assn., XVI:12: 742-6, Dec.

148. Avis, K.E., Gershenfeld, L.J., '55, Bacteria-excluding filters for oils. Am. Pharm. Assn., XLIV:11

245. Schaufus, C.P., '57, High volume process filtration with the new Millipore microweb filter, The Bulletin of the Parenteral Drug Assn., 11:6:21-24, Nov. - Dec.

*334. Thurston, J.R., Hawkins, J.E., Steenken, W.Jr., '60, The effect of filtration on biologic products. I. Influence on the serologic activity of old tuberculin. Amer.Rev. of Respiratory Diseases, 82:1, pp 77-81, July

*338. Hugill, P.R., Osheroff, B.J., Skolaut, M.W., '60, Equipment and techniques for sterile dispensing of ophthalmic solutions, Am.Jour. of Hosp. Pharm., 17:535-539, Sept.

*340. Drews, R.C., '60, Use of Millipore filters in ophthalmic surgery, Amer.Jour. of Ophthal., 50:1, July

*Printed abstract available from Millipore.

P. STERILITY TESTING

*183. Schaufus, C.P., '57, A new method for sterility determination of parenterals with the Millipore filter. Res.Dept. Millipore Filter Corp., Proc. of Parenteral Drug Assn.

*258. Sieburth, J.M., '58, A technique for assaying non-sterile materials for soluble substances that affect bacterial growth. Animal Path. Section, Virginia Polytechnic Inst., Blacksburg, Virginia (Unpublished)

*268. Bowman, Frances W., Holdowsky, S., '58, Survival of bacteria in dihydrostreptomycin solutions for injection. Antibiotics and Chemotherapy, VIII:8:406-09, Aug.

Q. SURFACE CONTAMINATION

88. Murphy, J.F., Silliker, J.H., '55, Special applications of the membrane filter in the food industry. Bacteriol. Proc., 20-21

147. Walter, W.G., '55, Symposium on methods for determining bacterial contamination on surfaces. Bacteriol. Rev., 19:4, Dec.

*248. Angelotti, R., Foter, M.J., Busch, K.A., Lewis, K.H., '58, A comparative evaluation of methods for determining the bacterial contamination of surfaces. Food Res., 23:2:175-185

R. TISSUE CULTURE-DIFFUSION CHAMBER

1 In Vitro Studies

*34. Grobstein, C., '53, Morphogenetic interaction between embryonic mouse tissues separated by a membrane filter. Nature, 172:869-71, Nov.

*161. Grobstein, C., '56, Transfilter induction of tubules in mouse metanephrogenic mesenchyme. Exp. Cell Res., 10:424-440

*187. Algire, G.H., Weaver, J.M., Prehn, R.T., '57, Studies of tissue homotransplantation in mice using diffusion-chamber methods. Annals of NY Acad. of Sci., Mar.

*247. Goldhaber, P., '58, Preliminary observations on bone isografts within diffusion chambers, Proc. of Soc. for Exp. Biol. and Med., 98:53-56

*328. Brooks, J.R. and Hill, G.J.II, '60, Current status of endocrine homografts using the Millipore diffusion chamber technic. Amer.J.Surgery, Vol. 99, pp 588-599, April

2 In Vivo Studies

*71. Algire, G.H., Weaver, J.M., Prehn, R.T., '54, Growth of cells in vivo in diffusion chambers. I. Survival of homografts in immunized mice. J.Natl. Can.Inst., 15:493-507, Dec.

*100. Algire, G.H., '54, Visualizing cellular behavior in vivo. XV Congres de la Societe Internationale de Chirurgie, 1-12, (Impimerie Henri de Smedt, Brux.)

*154. Weaver, J.M., Algire, G.H., Prehn, R.T., '55, The growth of cells in vivo in diffusion chambers. II. The role of cells in the destruction of homografts in mice. J. Natl. Canc.Inst., 15:6, June

180. Felsenfeld, O., Rokkaku, W.K., '56, Adaptation of the membrane filter technique to the recovery of Vibrio comma from water samples. J.Bacteriol., 72:6:869-70

*186. Woodruff, M.F.A., '57, Cellular and humoral factors in the immunity to skin homografts; Experiments with a porous membrane. Annals of NY Acad. of Sci., 64:5:1014-27, Mar.

*187. Algire, G.H., Weaver, J.M., Prehn, R.T., '57, Studies of tissue homotransplantation in mice using diffusion-chamber methods. Annals of NY Acad. of Sci., Mar.

194. Algire, G.H , '56, In vivo cell culture. U. of Mich. Med. Bltn., Nov.

*206. Sturgis, S.H., Castellanos, H., '57, Functional survival of ovarian homografts within Millipore filter chambers in the castrate rat. (23015) Proc. of the Soc. for Exp. Biol. & Med., 94:569-72

*254. Duthie, R. B., '58, A histochemical study of transplanted skeletal tissue during tissue culture in vivo. British J. of Plastic Surgery, XI:1:1-30, Apr.

*262. Lorincz, A.L., Priestley, J.O., Jacobs, P.H., '58, Evidence for a humoral mechanism which prevents growth of dermatophytes. The J. of Investigative Dermatology, 31:1:15-17, July

*270. Castellanos, H., Sturgis, S.H., '58, Survival of ovarian homografts within Millipore filter chambers in the rat, Surgical Forum, VIII:498-500

*277. Sturgis, S.H., Castellanos, H., '58, Ovarian homografts in the primate: Experience with Millipore filter chambers. Am. J. Obstetrics and Gynecology, 76:5:1132-46, Nov.

*280. Castellanos, H., Sturgis, S.H., '58, Ovarian homografts - survival within Millipore filter chambers in the monkey. Obstetrics & Gynecology, 12:6:603-09, Dec.

*288. Shelton, Emma, and Rice, Mary E., '58, Studies on mouse lymphomas. II. Behavior of three lymphomas in diffusion chambers in relation to their invasive capacity in the host. J.Natl. Cancer Inst., 21:1:137-161, July

*328. Brooks, J.R. and Hill, G.J. II, '60, Current status of endocrine homografts using the Millipore diffusion chamber technic. Amer.J. Surgery, Vol. 99, pp 588-599, April

S. TISSUE REGENERATION

*179. Campbell, J.B., Bassett, C.A.L., Girado, J.M., Seymour, R.J., Rossi, J.P., '56, Application of monomolecular filter tubes in bridging gaps in peripheral nerves and for prevention of neuroma formation. J.Neurosurgery, 13:6:635-37

*219. Campbell, J.B., Bassett, C.A.L., '57, The surgical application of monomolecular filters (Millipore) to bridge gaps in peripheral nerves and to prevent neuroma formation. Surgical Forum, VII:570-74

*221. Campbell, J.B., Bassett, C.A.L., Husby, J., Noback, C.R., '57, Regeneration of adult mammalian spinal cord. Sci. 126: 3279:929, Nov.

*271. Campbell, J.B., Bassett, C.A.L., Husby, J., Noback, C.R., '58, Axonal regeneration in the transected adult feline spinal cord. Surgical Forum, VIII: 528-32

*291. Noback, C.R., Husby, J., Girado, J.M., Bassett, C.A.L., and Campbell, J.B., '58, Neural regeneration across long gaps in mammalian peripheral nerves: Early morphological findings, The Anatomical Record, 131:4:633-647, Aug.

*297. Ashley, F.L., Stone, R.S., Alonso-Artieda, M., Syverud, J.M., Edwards, J.W., Sloan, R.F., and Mooney, Sharon A., '59, Creation of artificial tendon sheaths in digits, Plastic & Reconstructive Surgery, 23:5:526-534, May

*318. Bassett, C.A.L., Campbell, J.B. and Husby, J., '59, Peripheral nerve and spinal cord regeneration: factors leading to success of a tubulation technique employing Millipore. Exp. Neurology, Vol. 1, No. 4, Oct.

*327. Campbell, J.B. and Windle, W.F., '60, Relation of Millipore to healing and regeneration in transected spinal cords of monkeys. Neurology, Vol. 10, No. 3, March

III CONTAMINATION CONTROL & ANALYSIS — MF

A. ABSOLUTE TURBIDITY

9. Goetz, A., Gilman, R.H., Rawn, A.M., '52, Application of molecular filter membranes to specific problems in water analysis. J.Am. Water Works Assn., 44:471-83, June

117. Fessenden, R.W., Stein, R.S., '54, On the absolute turbidity of water. Chem. Phy., 22:1778-9, Oct.

B. CHEMICAL SPOT TESTING

78. Twomey, S., '54, The composition of hygroscopic particles in the atmosphere. J. Meteorology, 11:334-38, Aug.

*79. Lodge, J.P., McDonald, J.E., Baer, F., '54, An investigation of the Melander effect. J.Meteorology, 11:318-22, Aug.

121. Lodge, J.P., Jr., Tufts, B.J., '55, Techniques for the chemical identification of micron and sub-micron particles. Paper presented at conference on physics of cloud and precipitation particles, Woods Hole Oceanographic Inst., 7-10, Sept.

*145. Lodge, J.P., et al, '56, Analysis of micron-sized particles, J. Anal. Chem., Mar.

*155. Lodge, J.P., Jr., Tufts, B.J., '56, Techniques for the identification of micron and sub-micron particles. Tellus, VIII:2

*285. Tufts, Barbara J., '59, Determination of particulate lead content in air - results of tests in city traffic. Anal. Chem., 31:2:238-41, Feb.

*286. Tufts, Barbara J., '59, Determination of micron-sized particles - detection of pot-assumion. Anal.Chem., 31:2:242-43, Feb.

C. COLORIMETRIC

*249. Talvitie, N.A., Hyslop, Frances, '58, Colorimetric determination of siliceous atmospheric contaminants. Am.Ind.Hyg. Assn. J., 19:1:54-58, Feb.

D. FILTER EFFICIENCY STUDIES

*26. First, M.W., Silverman, L., '53, Air sampling with membrane filters. Arch. Ind.Hyg. & Occ. Med. 7:1-11, Jan.

49. Smith, W.J., Suprenant, N.F., '53, Properties of various filtering media for atmospheric dust sampling. Proc. Am. Soc. Test. Mat., 1122-33

55. Dennis, R., First, M.W., Silverman, L., '54, Dust collectors tested in field. (MF, 188) Chem. Eng. 61:187-89, May

60. Humphrey, A., '53, Air sterilization by fibrous media. Thesis (PhD) Faculty of pure science, Columbia Univ., NYC.

65. Rossano, A.T., Jr., Silverman, L., '54, Electrostatic effects in fiber filters for aerosols. Heating & Ventilating Ref. 51:102-08, Sept.

95. Guyton, H.G., Buchanan, L.M., Lense, F.T., '55, Evaluation of respiratory protection provided by three types of contagion masks. Bacteriol. Proc., 45

*107. Fitzgerald, J.J., Detwiler, C.G., '55, Collection efficiency of air cleaning and air sampling filter media. Am.Ind. Hyg. Qtrly., 16:2:123-30, June

111. Cherubin, L.J., Fitzgerald, J.J., '54, KAPL air cleaning program. G.E. Co., Knolls Atomic Power Lab., KAPL 1014, Jan.

120. Lauterbach, K.E., Mercer, T.T., Hayes, A.D., Morrow, P.E., '53, Efficiency studies of the electrostatic precipitator. Univ. Roch., AEC Rep. UR287

*Printed abstract available from Millipore.

138. Mitchell, R.B., Fulton, J.D., Elligson, H.V., '54, A soluble gelatin foam sampler for airborne microorganisms at surface levels. Am.J.Pub. Health, 44:1334-39

148. Avis, K.E., Gershenfeld, L.J., '55, Bacteria-excluding filters for oils. Am. Pharm. Assn., XLIV:11

151. Fraser, D.A., '56, The collection of sub-micron particles by electrostatic precipitation. Am.Ind.Hyg. Qtrly., 17:1, Mar.

174. Whitby, K.T., Algren, A.B., Jordan, R.C., '56, The dust spot method for evaluating air cleaners. Heating, Piping, Air Cond., 151-57, Nov.

200. Dennis, R., Silverman, L., Billings, C.E., Anderson, D.M., Samples, W.R., Donaldson, H.M., Jr., Drinker, P., '56, Air cleaning studies - progress report for July '54 to June '55. U.S.Atomic Energy Commission, Air Cleaning Lab., Harvard Univ., No.NYO-4611, Oct.

*217. Schadt, C., Cadle, R.D., '57, Critical comparison of collection efficiencies of commonly used aerosol sampling devices. Am.Chem.Soc. 29:6:864-68, June

*300. Anon. '58, Lube oil filter performance test. SAE Recommended Practice TR-160, Report of Engine Committee

*322. Task Group Report '59, Progress toward a filterability index test. A.W.W.A. Task Group 2720, J.A.W.W.A. 51:1539-1544, Dec.

E. FUELS, HYDRAULIC FLUIDS, LUBRICANTS

344. A BIBLIOGRAPHY of subjects pertaining to the Contamination Panel of the SAE A-6 Committee. Compiled by the Millipore Filter Corporation, Bedford, Massachusetts, Oct. 1960.

(This separate bibliography contains more than 150 references to scientific papers, technical reports, procedures and methods, unclassified military specifications, and articles. It has been drawn up for those persons whose prime interest is contamination in fuels, hydraulic fluids, and lubricants. Please send for a copy if your interest lies in this field.)

F. FUMES, MISTS, SMOKES, VAPORS

*26. First, M.W., Silverman, L., '53, Air sampling with membrane filters. Arch.Ind.Hyg. & Occ. Med. 7:1-11, Jan.

29. Goetz, A., '53, Application of molecular filter membranes to the analysis of aerosols. Am.J.Pub.Health 43:150-59, Feb.

49. Smith, W.J., Suprenant, N.F., '53, Properties of various filtering media for atmospheric dust sampling. Proc.Am.Soc. Test. Mat., 1122-33

*228. Borasky, R., Mastel, B., '56, Electron microscopy of magnesium oxide particles collected on membrane filters. AEC Res. & Dev.Rep. HW-46722 (Unclassified), Hanford Atomic Products Operation, Jan.

*244. Bradbury, H.G., Young, M.J., '57, Aerial sampling of effluent from waste fires. ANP. Doc.No. NARF-57-56T, MR-N-188, Convair, A Div. of General Dynamics Corp., Fort Worth, Texas, Dec.

*255. Chaney, A.L., '58, Investigations to detect the atmospheric conversion of sulfur dioxide to sulfur trioxide. 23rd Mid-year Mtg. of the Am.Petroleum Inst. Div. of Refining, Los Angeles, May

267. Rossano, A.T., Jr., Schell, N.E., '58, Procedures for making an inventory of air pollution emissions. J. of Air Pollution Control Assn., 8:2:147-52, Aug.

*311. Goetz, A., Tsuneishi, N., '59, A bacteriological irritation analogue for aerosols. A.M.A.Archives of Ind.Hlth., Vol.20, pp 167-180, Aug.

G. GENERAL AIR SAMPLING

20. Anon., '53, MF membrane applied to aerosol analysis. Pub. Health Rep. 68:239-40, Feb.

29. Goetz, A., '53, Application of molecular filter membranes to the analysis of aerosols. Am.J.Pub.Health 43:150-59, Feb.

63. Muller, R.H., '54, Instrumentation: forward scattering photometer may prove indispensable for measuring and controlling outdoor and indoor air pollution. Anal.Chem., 26:33A-34, Aug.

81. Yaffee, C.D., Paulus, H.J., Jones, N.H., '54, Preparing dust samples for microscopic examination notes on a new method. Am.Ind.Hyg.Assn.Qtrly., 15:3, Sept.

87. Falk, L.L., Chalker, W.R., Greene, J.A., Cave, C.B., Thorngate, C.W., '54, Development of a system for predicting dispersion from stacks. Air Repair, 4:2:87-96, Aug.

103. Monkman, J.L., '55, Gas chamber microapparatus in identification of airborne pollutants. Anal.Chem., 27:704-08, May

105. First, M.W., '53, Notes on the preparation of dust samples for microscopic sizing. Arch.Ind.Hyg. & Occ.Med., 7:58-60, Jan.

114. Burke, W.C., Jr., '53, Size determination of silica particles collected on membrane filters. Am.Ind.Hyg.Qtrly. 14:4:299-302, Dec.

115. Whitby, K.T., Algren, A.B., Jordan, R.C., '55, Size distribution and concentration of airborne dust. Heating, Piping, Air Cond., June

*116. Burnett, T.J., '52, Sampling methods and refinements for estimating airborne particulate hazards. ORNL CF, 52:1-11, Nov.

119. Wilcox, J.D., Van Antwerp, W.R., '55, A sampling technique for small airborne particulates: Particle size distribution by combined use of MF and electron microscope. Arch.Ind.Health, 11:422-24, May

129. Tabor, E.C., '55, Methods of air sampling. Am.Pub.Health Assn. 83rd Ann. Mtg., Nov.

132. Silverman, L., '55, Sampling and analyzing air for contaminants. Air Cond., Heating, Ventilation, 52:8:88-100, Aug.

*155. Lodge, J.P., Jr., Tufts, B.J., '56, Techniques for the identification of micron and sub-micron particles. Tellus, VIII:2

197. Fitzgerald, J.J., Detwiler, C.G., '57, Optimum particle size for penetration through the Millipore filter. Am.Med.Assn.Arch. of Ind.Health, 15:3-8, Jan.

218. Friedlander, S.K., Johnstone, H.F., '57, Deposition of suspended particles from turbulent gas streams. Ind. & Anal.Chem. 49:7:1151-56, July

*227. Jacobs, M.B., Braverman, M.M., Theophil, C., Hochheiser, S., '57, Determination and measurement of particles in city atmospheres. Am.J.Pub.Health, 47:11:1430-33, Nov.

*244. Bradbury, H.G., Young, M.J., '57, Aerial sampling of effluent from waste fires. ANP, Doc. No. NARF-57-56T, MR-N-188, Convair, A Div. of General Dynamics Corp., Fort Worth, Texas, Dec.

*255. Chaney, A.L., '58, Investigations to detect the atmospheric conversion of sulfur dioxide to sulfur trioxide. 23rd Mid-year Mtg. of the Am.Petroleum Inst. Div. of Refining, Los Angeles, May

*278. Nader, J.S., '59, A versitile, high flowrate tape sampler. Community Air Pollution Program, Robert A. Taft Sanitary Engineering Center, U.S.Pub. Health Service, Cincinnati, Journ. of the Air Pollution Control Assn., Vol.9, No. 1, pp 59-61, May

H. GRAVIMETRIC METHODS

*26. First, M.W., Silverman, L., '53, Air sampling with membrane filters. Arch. Ind.Hyg. & Occ. Med. 7:1-11, Jan.

62. Fox, D.L., Oppenheimer, C.H., Kittredge, J.S., '53, Microfiltration in oceanographic research. II. Retention of colloidal micelles by adsorptive filters and by filter feeding invertebrates: Proportions of dispersed organic to dispersed inorganic matter and to organic solutes. J.Mar.Res., 12:233-43

*173. Engelbrecht, R.S., McKinney, R.E., '56, Membrane filter method applied to activated sludge suspended solids determinations. Sewage Works, 28:11:1321-25, Nov.

*189. Adams, D.C., '57, A statistical method of contamination analysis using Millipore filters. Bendix Avia.Corp.Tech.Rep. Unpublished

*326. American Society for Testing Materials, '60, Proposed method of test for particulate matter in hydrocarbons. ASTM Committee D-2 on Petroleum Products and Lubricants

I. INJECTION WATERS

*195. Felsenthal, M., Carlberg, B.L., Continental Oil Co., Ponca City, Okla., '56, Measuring quality of injection waters. The Petroleum Engineer, B53, 55, 58., Nov.

*253. Bell, W.E., Shaw, J.K., '58, Evaluation of iron sequestering agents in water flooding. Producers Mthly. 22:3:20-23, Mar.

*260. Doscher, T.M., Weber, L., '57, The use of the membrane filter in determining quality of water for subsurface injection. Producers Mthly., 21:6:33, June

J. METEOROLOGY

77. Thuman, W.C., Robinson, E., '54, A technique for the determination of water in air at temperatures below freezing. J. Meteorology, 11:3:214-19, June

78. Twomey, S., '54, The composition of hygroscopic particles in the atmosphere. J.Meteorology, 11:334-38, Aug.

*79. Lodge, J.P., McDonald, J.E., Baer, F., '54, An investigation of the Melander effect. J.Meteorology, 11:318-22, Aug.

84. Lodge, J.P., Baer, F., '54, An experimental investigation of the shatter of salt particles on crystallization. J. Meteorology, 11:5:420-21, Oct.

121. Lodge, J.P., Jr., Tufts, B.J., '55, Techniques for the chemical identification of micron and sub-micron particles. Paper presented at conference on physics of cloud and precipitation particles, Woods Hole Oceanographic Inst., 7-10, Sept.

*Printed abstract available from Millipore.

123. Byers, H.R., '55, Distribution in the atmosphere of certain particles capable of serving as condensation nuclei. Paper presented at conference on physics of cloud and precipitation particles, Woods Hole Oceanographic Inst., 7-10, Sept.

K. MICROSCOPY

1 Electron Microscope

*27. Fraser, D.A., '53, Absolute method of sampling and measurement of solid airborne particulates: Combined use of the molecular filter membrane and electron microscopy. Arch. Ind. Hyg. & Occ. Med. 8:412-19, Nov.

*44. Kalmus, E.H., '54, Preparation of aerosols for electron microscopy. J. Appl. Physics, 24:87-89, Jan.

73. Knolls Atomic Power Lab. (KAPL), '52, Replication of Millipore filter paper for electron microscope analysis. Semi-ann. Prog. Rep. of Radiological Development Activities in the Health & Safety Unit, July to Dec.

*107. Fitzgerald, J.J., Detwiler, C.G., '55, Collection efficiency of air cleaning and air sampling filter media. Am. Ind. Hyg. Qtrly., 16:2:123-30, June

119. Wilcox, J.D., Van Antwerp, W.R., '55, A sampling technique for small airborne particulates: Particle size distribution by combined use of MF and electron microscope. Arch. Ind. Health, 11:422-24, May

*155. Lodge, J.P., Jr., Tufts, B.J., '56, Techniques for the identification of micron and sub-micron particles. Tellus, VIII:2

168. O'Leary, F.M., Hess, G.E., Kulbaski, F.E., Shanahan, A.J., '56, Determination of membrane filter pore size by electron microscopy and their relationship to colony growth. Am. J. Bacteriol. Proc., A28:31

*228. Borasky, R., Mastel, B., '56, Electron microscopy of magnesium oxide particles collected on membrane filters. AEC Res. & Dev. Rep. HW-46722 (Unclassified), Hanford Atomic Products Operation, Jan.

256. Borasky, R., '58, Electronoscope particle studies. Progress Rep. Biol. Operation, HW-55172, UC-48, Biol. & Med. (TID-4500, 13th Ed., Rev.), Hanford Atomic Products Operation, Richland, Wash., May

*312. Whitby, K.T., Algren, A.B., Annis, J.C., '59, Centrifuge sedimentation size analysis of samples of airborne dusts collected in membrane filters. Symposium on Particle Size Measurement - ASTM Special Technical Publication #234, August

*315. Moore, L.D., Peck, V.G., '59 Study of particles present in some high-pressure polyethylenes. J. Polymer Sci. 36, 141-53

*320. George, L.A., II, Vogt, G.S., '59, Electron microscopy of autoradiographed radioactive particles. Nature, Vol. 184, pp 1474-1475, Nov. 7

2 Optical Microscope

*23. Cadle, R.D., Wilder, A.G., Schadt, C.F., '53, A technique for collecting, mounting and sectioning airborne particulate material. Sci. 118:490-91, Oct.

*Printed abstract available from Millipore.

*26. First, M.W., Silverman, L., '53, Air sampling with membrane filters. Arch. Ind. Hyg. & Occ. Med. 7:1-11, Jan.

81. Yaffee, C.D., Paulus, H.J., Jones, N.H., '54, Preparing dust samples for microscopic examination notes on a new method. Am. Ind. Hyg. Assn. Qtrly., 15:3, Sept.

105. First, M.W., '53, Notes on the preparation of dust samples for microscopic sizing. Arch. Ind. Hyg. & Occ. Med., 7:58-60, Jan.

*107. Fitzgerald, J.J., Detwiler, C.G., '55, Collection efficiency of air cleaning and air sampling filter media. Am. Ind. Hyg. Qtrly., 16:2:123-30, June

114. Burke, W.C., Jr., '53, Size determination of silica particles collected on membrane filters. Am. Ind. Hyg. Qtrly. 14:4:299-302, Dec.

119. Wilcox, J.D., Van Antwerp, W.R., '55, A sampling technique for small airborne particulates: Particle size distribution by combined use of MF and electron microscope. Arch. Ind. Health, 11:422-24, May

*149. Viles, F.J., '56, A mounting technique for membrane filters for optical microscope work.

*155. Lodge, J.P., Jr., Tufts, B.J., '56, Techniques for the identification of micron and sub-micron particles. Tellus, VIII:2

*189. Adams, D.C., '57, A statistical method of contamination analysis using Millipore filters. Bendix Avia. Corp. Tech. Rep. Unpublished

*309. Crossmon, G., '59, The value of phase microscopy for the examination of particulate material collected on membrane filters. J. American Industrial Hygiene Assn. V20, pp 190-193, June

*324. Society of Automotive Engineers, '60, Procedure for the determination of particulate contamination of hydraulic fluids by the particle count method. Aeronautical Recommended Practice, ARP-598, March

*326. American Society for Testing Materials, '60, Proposed method of test for particulate matter in hydrocarbons. ASTM Committee D-2 on Petroleum Products and Lubricants

L. PARTICLE SIZING

*26. First, M.W., Silverman, L., '53, Air sampling with membrane filters. Arch. Ind. Hyg. & Occ. Med. 7:1-11, Jan.

*27. Fraser, D.A., '53, Absolute method of sampling and measurement of solid airborne particulates: Combined use of the molecular filter membrane and electron microscopy. Arch. Ind. Hyg. & Occ. Med. 8:412-19, Nov.

114. Burke, W.C., Jr., '53, Size determination of silica particles collected on membrane filters. Am. Ind. Hyg. Qtrly. 14:4:299-302, Dec.

115. Whitby, K.T., Algren, A.B., Jordan, R.C., '55, Size distribution and concentration of airborne dust. Heating, Piping, Air Cond., June

*116. Burnett, T.J., '52, Sampling methods and refinements for estimating airborne particulate hazards. ORNL CF, 52:1-11, Nov.

150. Anon., '55, Procedures for the determination of the particle size retention characteristics, the flow resistance characteristics, the dirt handling capabilities of fuel filters for aircraft jet engines. DTL, Dept. Navy Bur. Aero., Power Plant Div., June

197. Fitzgerald, J.J., Detwiler, C.G., '57, Optimum particle size for penetration through the Millipore filter. Am. Med. Assn. Arch. of Ind. Health, 15:3-8, Jan.

*217. Schadt, C., Cadle, R.D., '57, Critical comparison of collection efficiencies of commonly used aerosol sampling devices. Am. Chem. Soc. 29:6:864-68, June

*227. Jacobs, M.B., Braverman, M.M., Theophil, C., Hochheiser, S., '57, Determination and measurement of particles in city atmospheres. Am. J. Pub. Health, 47:11:1430-33, Nov.

*228. Borasky, R., Mastel, B., '56, Electron microscopy of magnesium oxide particles collected on membrane filters. AEC Res. & Dev. Rep. HW-46722 (Unclassified), Hanford Atomic Products Operation, Jan.

256. Borasky, R., '58, Electronoscope particle studies. Progress Rep. Biol. Operation, HW-55172, UC-48, Biol. & Med. (TID-4500, 13th Ed., Rev.), Hanford Atomic Products Operation, Richland, Wash., May

*303. Quan, J.T., '59, A technique for the radioautography of alpha-active aerosol particles on Millipore filters. J. Am. Ind. Hyg. Assn. 20:61-65, Feb.

*312. Whitby, K.T., Algren, A.B., Annis, J.C. '59, Centrifuge sedimentation size analysis of samples of airborne dusts collected in membrane filters. Symposium on Particle Size Measurement-ASTM Special Technical Publication #234, Aug.

*324. Society of Automotive Engineers, '60, Procedure for the determination of particulate contamination of hydraulic fluids by the particle count method. Aeronautical Recommended Practice, ARP-598, March

*326. American Society for Testing Materials, '60, Proposed method of test for particulate matter in hydrocarbons. ASTM Committee D-2 on Petroleum Products and Lubricants

M. POLLENS AND OTHER AERO-ALLERGENS

*190. Cryst, S., Gurney, C.W., Hansen, W., '55, A method for determining aero-allergen concentrations with the molecular filter membrane. J. Lab. & Clin. Med., 46:3, Sept.

*306. Silverman, L. and Dennis, R., '59, Pollen removal by air filters. Air Conditioning, Heating and Ventilating, pp 61-66, March

N. RADIOACTIVITY

1 Gases

*50. Mercer, T., '54, Atmospheric monitoring for alpha emitters using molecular filter membranes. Atomic Energy Project, Univ. of Roch. #294 (AEC Rep.)

103. Monkman, J.L., '55, Gas chamber microapparatus in identification of airborne pollutants. Anal. Chem., 27:704-08, May

*116. Burnett, T.J., '52, Sampling methods and refinements for estimating airborne particulate hazards. ORNL CF, 52:1-11, Nov.

142. Wiesley, O.A., '55, Utah industrial commission regulates to protect against radon daughters. Uranium Information Digest, 14-15, Oct. - Nov.

*152. Kusnetz, H.L., '56, Radon daughters in mine atmospheres - a field method for determining concentrations. Am. Ind. Hyg. Qtrly., Mar.

*303. Quan, J.T., '59, A technique for the radioautography of alpha-active aerosol particles on Millipore filters. J. Am. Ind. Hyg. Assn. 20:61-65, Feb.

*337. Nehemias, J.V., Whipple, G.H., Kothary, N.C., '60, Environmental radioactivity prior to nuclear power plant operation, Jour. A.W.W.A., 52:10:1291-1302, Oct.

(2) Liquids

32. Goldin, A.S., Nader, J.S., Setter, L.R., '53, The detectability of low level radioactivity in water. J.Am.Water Works Assn., 45:73-79, Jan.

118. Setter, L.R., Goldin, A.S., Nader, J.S., '54, Radioactivity assay of water and industrial wastes with internal proportion counter. Anal.Chem. 26:1304-06, Aug.

124. Ostrom, T.E., '55, Studies of the radiostrontium content of fall-out and its removal from water. Thesis (PhD), San. Engr. Harvard Univ.

130. Kilcawley, E.J., Clark, H.M., Ehrlrich, H.L., Kelleher, W.J., Schultz, H.E., Krascella, N.L., '54, Measurement of radioactive fall-out in reservoirs. J.Am. Water Works Assn., 46:11:1101-11, Nov.

*229. Mackintosh, W.D., Jervis, R.E., '57, Determination of fissile material by neutron activation analysis. Atomic Energy of Canada Ltd., Chalk River Project, Res. & Dev. Rep. No. CRDC-711, (Unclassified), Aug.

*233. Barker, F.B., Thatcher, L.L., '57, Modified determination of radium in water. Anal. Chem., 29:11:1573-75, Nov.

*237. Setter, L.R., Hagee, G.R., Straub, C.P., '58, Analysis of radioactivity in surface waters - practical laboratory methods. ASTM Bulletin No. 227, 35-50, Jan.

241. Seymour, A.H., Held, E.E., Lowman, F.G., Donaldson, J.R., South, Dorothy J., '57, Survey of radioactivity in the sea and in pelagic marine life west of the Marshall Islands, Sept. 1-20, '56, Applied Fisheries Laboratory, Univ. of Washington, Seattle, Wash., March

283. Sugihara, T.T., James, J.I., Troianello, E.J., Bowen, V.T., '59, Radiochemical separation of fission products from large volumes of sea water; strontium, cesium, cerium, and promethium. Anal.Chem., 31:1:44-49, Jan.

*Printed abstract available from Millipore.

*302. Straub, Conrad P., '59, Determination of gross radioactivity in water, silt, and biological materials. Memo: Robt. A. Taft Sanitary Engineering Center, THS, Jan.

*321. Weatherford, R.L., Larson, T.E., '59, Preparation of suspended solids samples for radioactivity counting. Analytical Chemistry, 31:11, Nov.

*337. Nehemias, J.V., Whipple, G.H., Kothary, N.C., '60, Environmental radioactivity prior to nuclear power plant operation, Jour. A.W.W.A., 52: 10:1291-1302, Oct.

(1) Aerosol

72. MacPhee, R.D., '54, Inexpensive holder for Millipore filter papers. Chem. Anal., 43:1:25, Mar.

109. Lauterbach, K.E., '54, New design for filter holder for dust sampling. Am. Ind.Hyg.Assn.Qtrly., 15:1, March, (UR 286, Oct., '53, Univ. of Roch.)

(2) Ionic Activity Measurements

47. Low, P.F., '54, Ionic activity measurements in heterogeneous systems. Soil Science, 77:29-41, Jan.

(3) Light Scattering Photometer

63. Muller, R.H., '54, Instrumentation: forward scattering photometer may prove indispensable for measuring and controlling outdoor and indoor air pollution. Anal. Chem., 26:33A-34, Aug.

115. Whitby, K.T., Algren, A.B., Jordan, R.C., '55, Size distribution and concentration of airborne dust. Heating, Piping, Air Cond., June

241. Seymour, A.H., Held, E.E., Lowman, F.G., Donaldson, J.R., South, Dorothy J., '57, Survey of radioactivity in the sea and in pelagic marine life west of the Marshall Islands, Sept. 1-20, '56, Applied Fisheries Laboratory, Univ. of Washington, Seattle, Wash., Mar.

*253. Bell, W.E., Shaw, J.K., '58, Evaluation of iron sequestering agents in water flooding. Producers Mthly, 22:3:20-23, Mar.

*260. Doscher, T.M., Weber, L., '57, The use of the membrane filter in determining quality of water for subsurface injection. Producers Mthly, 21:6:33, June

174. Whitby, K.T., Algren, A.B., Jordan, R.C., '56, The dust spot method for evaluating air cleaners. Heating, Piping, Air Cond., 151-57, Nov.

272. Bernhardt, W.O., Eis, F.G., McGinnis, R.A., (Spreckles Sugar Co.), '58, The measurement of color and turbidity in solutions of white granulated sugars. Am.Chem.Soc., 134th Natl. Mtg., Chicago, Sept.

*315. Moore, L.D., Peck, V.G., '59, Study of particles present in some high-pressure polyethylenes. J.Polymer Sci. 36, 141-53

9. Goetz, A., Gilman, R.H., Rawn, A.M., '52, Application of molecular filter membranes to specific problems in water analysis. J.Am.Water Works Assn., 44:471-83, June

62. Fox, D.L., Oppenheimer, C.H., Kittredge, J.S., '53, Microfiltration in oceanographic research. II. Retention of colloidal micelles by adsorptive filters and by filter feeding invertebrates: Proportions of dispersed organic to dispersed inorganic matter and to organic solutes. J.Mar.Res., 12:233-43

*173. Engelbrecht, R.S., McKinney, R.E., '56, Membrane filter method applied to activated sludge suspended solids determinations. Sewage Works, 28:11:1321-25, Nov.

272. Bernhardt, W.O., Eis, F.G., McGinnis, R.A., (Spreckles Sugar Co.), '58, The measurement of color and turbidity in solutions of white granulated sugars. Am. Chem.Soc., 134th Natl. Mtg., Chicago, Sept.

*321. Weatherford, R.L., Larson, T.E., '59, Preparation of suspended solids samples for radioactivity counting. Analytical Chemistry, 31:11, Nov.

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